

Time Schedule for Land-based test

Salinity	Period	Ballasting	de-Ballasting
> 32 psu	2	30 June, 2010	5 July, 2010
	3	7 July, 2010	12 July, 2010
	4	14 July, 2010	19 July, 2010
	5	21 July, 2010	26 July, 2010
	11	6 Oct., 2010	11 Oct., 2010
	12	17 June, 2011	22 June, 2011
3-32 psu	6	11 Aug., 2010	16 Aug., 2010
	7	25 Aug., 2010	30 Aug., 2010
	8	9 Sept., 2010	14 Sept., 2010
	9	15 Sept., 2010	20 Sept., 2010
	10	29 Sept., 2010	4 Oct., 2010

10.06.30 "AquaStar" Electrolysis 2nd-ballasting

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-06-30	12:16:54	12.7	0.00	0.00	0.00	0	0.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0	13.00	
2010-06-30	12:17:23	64.1	0.00	0.00	0.00	0	0.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0	13.00	
2010-06-30	12:17:53	102.1	0.00	0.00	0.00	334	13.2	27.3	3.1	3.0	2.9	3.0	3.0	3.0	13.00	
2010-06-30	12:18:23	201.0	0.00	0.00	0.00	829	18.5	27.3	4.5	4.4	4.3	4.4	4.4	4.4	13.00	
2010-06-30	12:18:53	203.9	0.00	0.00	0.00	840	18.7	27.4	4.6	4.4	4.4	4.4	4.4	4.4	13.00	
2010-06-30	12:19:23	204.1	0.00	0.00	0.00	841	18.8	27.4	4.6	4.4	4.4	4.4	4.5	4.5	13.00	
2010-06-30	12:19:53	203.1	0.00	0.00	0.00	836	18.9	27.5	4.6	4.5	4.4	4.5	4.5	4.5	13.00	
2010-06-30	12:20:23	202.9	0.00	0.00	0.00	838	18.9	27.5	4.6	4.5	4.4	4.5	4.5	4.5	13.00	
2010-06-30	12:20:53	202.9	0.00	0.00	0.00	833	18.9	27.7	4.6	4.5	4.4	4.5	4.5	4.5	13.00	
2010-06-30	12:21:23	202.8	0.00	0.00	10.11	835	19.0	27.8	4.6	4.5	4.4	4.5	4.5	4.5	13.00	
2010-06-30	12:21:53	202.0	0.00	0.00	10.12	834	19.0	28.0	4.6	4.5	4.4	4.5	4.6	4.6	13.00	
2010-06-30	12:22:23	201.4	0.00	0.00	10.11	832	19.0	28.2	4.6	4.5	4.4	4.5	4.6	4.6	13.00	
2010-06-30	12:22:53	202.4	0.00	0.00	10.11	838	19.1	28.5	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:23:23	202.4	0.00	0.00	10.79	839	19.2	28.7	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:23:53	201.2	0.00	0.00	10.79	833	19.1	29.0	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:24:23	202.2	0.00	0.00	10.79	839	19.2	29.3	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:24:53	201.5	0.00	0.00	10.79	837	19.2	29.5	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:25:23	201.1	0.00	0.00	10.79	836	19.2	29.8	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:25:53	200.4	0.00	0.00	12.42	832	19.2	30.1	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:26:23	200.7	0.00	0.00	12.42	832	19.2	30.4	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:26:53	200.8	0.00	0.00	12.42	831	19.2	30.7	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:27:23	199.6	0.00	0.00	12.42	828	19.2	31.0	4.6	4.5	4.5	4.6	4.6	4.6	13.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	R. Lee	2010.06.30
Witnessed by	KOMERI	06-28	2010.06.30

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-06-30	12:27:53	199.6	0.00	0.00	12.54	829	19.2	31.3	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:28:23	199.4	0.00	0.00	12.54	828	19.2	31.5	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:28:53	199.2	0.00	0.00	12.54	827	19.2	31.8	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:29:23	198.3	0.00	0.00	12.54	825	19.1	32.0	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:29:53	199.8	0.00	0.00	12.85	829	19.2	32.3	4.6	4.5	4.5	4.6	4.6	4.6	13.00	
2010-06-30	12:30:23	204.1	0.00	0.00	12.85	845	19.4	32.6	4.7	4.6	4.5	4.7	4.7	4.7	13.00	
2010-06-30	12:30:53	204.2	0.00	0.00	12.85	846	19.4	32.8	4.7	4.6	4.5	4.7	4.7	13.00		
2010-06-30	12:31:23	203.2	0.00	0.00	12.85	844	19.4	33.1	4.7	4.6	4.5	4.7	4.7	13.00		
2010-06-30	12:31:53	203.9	0.00	0.00	12.23	844	19.4	33.4	4.7	4.6	4.5	4.7	4.7	13.00		
2010-06-30	12:32:23	204.3	0.00	0.00	12.23	848	19.4	33.7	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:32:53	203.7	0.00	0.00	12.23	855	19.5	33.9	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:33:23	202.4	0.00	0.00	12.23	854	19.5	34.2	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:33:53	203.1	0.00	0.00	12.33	858	19.5	34.4	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:34:23	202.4	0.00	0.00	12.33	852	19.5	34.6	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:34:53	202.4	0.00	0.00	12.33	853	19.5	34.8	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:35:23	203.0	0.00	0.00	12.33	855	19.5	35.1	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:35:53	201.8	0.00	0.00	11.71	851	19.5	35.3	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:36:23	202.6	0.00	0.00	11.71	854	19.5	35.6	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:36:53	202.8	0.00	0.00	11.71	852	19.5	35.8	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:37:23	201.3	0.00	0.00	11.71	872	19.7	36.0	4.8	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:37:53	201.7	0.00	0.00	11.71	874	19.8	36.2	4.8	4.6	4.6	4.8	4.8	13.00		
2010-06-30	12:38:23	200.6	0.00	0.00	13.01	856	19.6	36.3	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:38:53	201.1	0.00	0.00	13.01	858	19.6	36.6	4.7	4.6	4.6	4.7	4.7	13.00		
2010-06-30	12:39:23	201.1	0.00	0.00	13.01	859	19.6	36.8	4.7	4.6	4.6	4.7	4.7	13.00		

	Organization	Personnel	Date
Approved by	AQUAKEY	Oey	2010.06.30
Witnessed by	KOMEKI	6542	2010.06.30

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-06-30	12:39:53	201.1	0.00	0.00	13.01	858		19.6	37.0	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:40:23	200.7	0.00	0.00	11.94	854		19.6	37.2	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:40:53	200.4	0.00	0.00	11.93	855		19.6	37.4	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:41:23	200.4	0.00	0.00	11.93	854		19.6	37.5	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:41:53	199.8	0.00	0.00	11.93	853		19.6	37.6	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:42:23	198.9	0.00	0.00	12.27	852		19.6	37.8	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:42:53	199.2	0.00	0.00	12.27	849		19.5	37.9	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:43:23	200.5	0.00	0.00	12.27	856		19.6	38.0	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:43:53	199.5	0.00	0.00	12.27	852		19.6	38.2	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:44:23	200.7	0.00	0.00	12.94	857		19.6	38.3	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:44:53	198.9	0.00	0.00	12.94	847		19.5	38.3	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:45:23	199.2	0.00	0.00	12.94	847		19.5	38.5	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:45:53	197.8	0.00	0.00	12.94	845		19.5	38.6	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:46:23	198.6	0.00	0.00	13.19	845		19.5	38.7	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:46:53	202.2	0.00	0.00	13.18	859		19.6	38.8	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:47:23	203.2	0.00	0.00	13.18	866		19.7	39.0	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:47:53	202.7	0.00	0.00	13.18	862		19.7	39.1	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:48:23	201.4	0.00	0.00	13.18	859		19.6	39.2	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:48:53	203.3	0.00	0.00	12.49	866		19.7	39.4	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:49:23	202.7	0.00	0.00	12.49	864		19.7	39.5	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:49:53	202.1	0.00	0.00	12.49	862		19.7	39.6	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:50:23	202.2	0.00	0.00	12.49	861		19.7	39.6	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:50:53	201.8	0.00	0.00	12.40	861		19.7	39.7	4.7	4.6	4.6	4.7	4.7	13.00	
2010-06-30	12:51:23	201.0	0.00	0.00	12.40	857		19.7	39.9	4.7	4.6	4.6	4.7	4.7	13.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	R EG	2010-06-30
Witnessed by	KOMERZ	OBEG	2010-06-30

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-06-30	12:51:53	201.1	0.00	0.00	12.40	858	19.7	39.9	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	12:52:23	201.2	0.00	0.00	12.40	857	19.7	40.0	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	12:52:53	201.4	0.00	0.00	12.54	857	19.7	40.0	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	12:53:23	201.5	0.00	0.00	12.54	858	19.7	40.1	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	12:53:53	200.7	0.00	0.00	12.54	855	19.6	40.2	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	12:54:23	201.2	0.00	0.00	12.54	857	19.7	40.4	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	12:54:53	205.2	0.00	0.00	12.78	873	19.8	40.5	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:55:23	204.8	0.00	0.00	12.78	874	19.8	40.7	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:55:53	204.2	0.00	0.00	12.78	867	19.8	40.8	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:56:23	205.2	0.00	0.00	12.78	873	19.8	40.9	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:56:53	204.0	0.00	0.00	11.29	869	19.8	41.1	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:57:23	204.1	0.00	0.00	11.29	870	19.8	41.2	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:57:53	204.3	0.00	0.00	11.29	868	19.8	41.2	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:58:23	204.4	0.00	0.00	11.29	871	19.8	41.3	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:58:53	203.7	0.00	0.00	11.29	868	19.8	41.3	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:59:23	203.6	0.00	0.00	11.11	865	19.8	41.4	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	12:59:53	204.2	0.00	0.00	11.11	869	19.8	41.5	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	13:00:23	203.9	0.00	0.00	11.11	868	19.8	41.6	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	13:00:53	202.6	0.00	0.00	11.11	862	19.7	41.6	4.8	4.6	4.6	4.8	4.8	13.00		
2010-06-30	13:01:23	202.5	0.00	0.00	12.83	864	19.8	41.7	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	13:01:53	202.5	0.00	0.00	12.83	862	19.7	41.7	4.7	4.6	4.7	4.8	4.8	13.00		
2010-06-30	13:02:23	203.1	0.00	0.00	12.83	865	19.8	41.6	4.8	4.6	4.7	4.8	4.8	13.00		
2010-06-30	13:02:53	203.0	0.00	0.00	12.83	862	19.7	41.7	4.7	4.6	4.7	4.8	4.8	13.00		
2010-06-30	13:03:23	201.8	0.00	0.00	11.46	858	19.7	41.8	4.7	4.6	4.6	4.7	4.7	13.00		

	Organization	Personnel	Date
Approved by	AQUATEC	Q.C.	2010.06.30
Witnessed by	KOMERZ	O.F.	2010.06.30

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-06-30	13:03:53	202.3	0.00	0.00	11.46	862		19.7	41.7	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:04:23	202.3	0.00	0.00	11.46	862		19.7	41.8	4.7		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:04:53	202.2	0.00	0.00	11.46	862		19.7	41.8	4.7		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:05:23	201.6	0.00	0.00	12.24	855		19.7	41.9	4.7		4.6	4.6	4.7	4.7	13.00
2010-06-30	13:05:53	201.7	0.00	0.00	12.24	859		19.7	41.9	4.7		4.6	4.6	4.8	4.8	13.00
2010-06-30	13:06:23	201.3	0.00	0.00	12.24	855		19.7	41.9	4.7		4.6	4.6	4.7	4.7	13.00
2010-06-30	13:06:53	201.3	0.00	0.00	12.24	859		19.7	41.9	4.7		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:07:23	202.0	0.00	0.00	11.09	859		19.7	41.7	4.7		4.6	4.6	4.8	4.8	13.00
2010-06-30	13:07:53	200.7	0.00	0.00	11.09	855		19.7	41.7	4.7		4.6	4.6	4.7	4.7	13.00
2010-06-30	13:08:23	200.5	0.00	0.00	11.09	851		19.7	41.8	4.7		4.6	4.6	4.7	4.7	13.00
2010-06-30	13:08:53	200.6	0.00	0.00	11.09	865		19.8	41.8	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:09:23	200.6	0.00	0.00	12.29	865		19.8	41.7	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:09:53	200.6	0.00	0.00	12.29	865		19.8	41.7	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:10:23	200.4	0.00	0.00	12.29	862		19.8	41.7	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:10:53	200.1	0.00	0.00	12.29	861		19.8	41.7	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:11:23	199.6	0.00	0.00	12.29	860		19.8	41.8	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:11:53	198.8	0.00	0.00	12.73	859		19.7	41.9	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:12:23	200.5	0.00	0.00	12.73	860		19.8	41.9	4.7		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:12:53	199.8	0.00	0.00	12.73	860		19.8	41.9	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:13:23	199.6	0.00	0.00	12.73	863		19.8	41.9	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:13:53	199.3	0.00	0.00	10.59	860		19.8	41.9	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:14:23	199.1	0.00	0.00	10.59	859		19.8	41.9	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:14:53	199.8	0.00	0.00	10.59	861		19.8	41.9	4.8		4.6	4.7	4.8	4.8	13.00
2010-06-30	13:15:23	199.0	0.00	0.00	10.59	856		19.7	42.0	4.7		4.6	4.7	4.8	4.8	13.00

	Organization	Personnel	Date
Approved by	AQUA GAY	Qay	2010.06.30
Witnessed by	KOMERZ	OB TÖR	2010.06.30

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-06-30	13:15:53	199.1	0.00	0.00	11.87	856	19.7	42.0	4.7	4.6	4.7	4.8	4.8	4.8	13.00	
2010-06-30	13:16:23	197.8	0.00	0.00	11.88	851	19.7	41.9	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:16:53	197.7	0.00	0.00	11.87	852	19.7	41.9	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:17:23	197.7	0.00	0.00	11.87	850	19.7	42.0	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:17:53	199.2	0.00	0.00	12.95	855	19.8	42.1	4.7	4.6	4.7	4.8	4.8	4.8	13.00	
2010-06-30	13:18:23	198.5	0.00	0.00	12.95	855	19.7	42.3	4.7	4.6	4.7	4.8	4.8	4.8	13.00	
2010-06-30	13:18:53	197.6	0.00	0.00	12.95	852	19.7	42.4	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:19:23	199.2	0.00	0.00	12.95	850	19.7	42.4	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:19:53	197.0	0.00	0.00	10.80	847	19.7	42.5	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:20:23	196.3	0.00	0.00	10.80	847	19.7	42.5	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:20:53	197.3	0.00	0.00	10.80	849	19.7	42.5	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:21:23	198.1	0.00	0.00	10.80	850	19.7	42.6	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:21:53	195.8	0.00	0.00	11.28	844	19.6	42.6	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:22:23	196.2	0.00	0.00	11.28	843	19.6	42.7	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:22:53	195.2	0.00	0.00	11.28	842	19.6	42.8	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:23:23	196.2	0.00	0.00	11.28	847	19.7	42.8	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:23:53	196.3	0.00	0.00	11.28	843	19.6	42.9	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:24:23	196.3	0.00	0.00	10.99	843	19.6	42.9	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:24:53	195.4	0.00	0.00	10.99	840	19.6	42.8	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:25:23	195.3	0.00	0.00	10.99	841	19.6	42.8	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:25:53	195.1	0.00	0.00	10.99	841	19.6	42.8	4.7	4.6	4.6	4.7	4.7	4.7	13.00	
2010-06-30	13:26:23	193.1	0.00	0.00	12.90	846	19.7	42.8	4.7	4.6	4.6	4.7	4.7	4.7	13.00	

	Organization	Personnel	Date
Approved by	AQQA Eng	Rey	2010.06.30
Witnessed by	KOMERZ	OFT	2010.06.30

100705 "AquaStar" Neutralization 2nd-deballasting

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-05	13:01:49	27.6	8.30	0.10
2010-07-05	13:02:18	176.0	8.30	0.10
2010-07-05	13:02:48	179.4	8.30	0.10
2010-07-05	13:03:18	215.0	8.30	0.10
2010-07-05	13:03:48	216.5	8.30	0.10
2010-07-05	13:04:18	216.7	8.30	0.10
2010-07-05	13:04:48	216.0	1.20	0.10
2010-07-05	13:05:18	217.1	1.20	0.10
2010-07-05	13:05:48	224.0	1.21	0.10
2010-07-05	13:06:18	217.3	1.20	0.10
2010-07-05	13:06:48	217.0	1.20	0.10
2010-07-05	13:07:18	217.8	1.20	0.10
2010-07-05	13:07:48	217.0	1.20	0.10
2010-07-05	13:08:18	217.1	1.20	0.10
2010-07-05	13:08:48	217.0	1.21	0.10
2010-07-05	13:09:18	216.2	1.20	0.10
2010-07-05	13:09:48	216.2	1.21	0.10
2010-07-05	13:10:18	215.6	1.20	0.10
2010-07-05	13:10:48	215.1	0.00	0.10
2010-07-05	13:11:18	216.2	0.00	0.10
2010-07-05	13:11:48	213.9	0.00	0.10
2010-07-05	13:12:18	215.0	0.00	0.10
2010-07-05	13:12:48	214.6	0.00	0.10
2010-07-05	13:13:18	213.8	0.00	0.10
2010-07-05	13:13:48	214.0	0.00	0.10
2010-07-05	13:14:18	211.4	0.00	0.10
2010-07-05	13:14:48	194.5	0.00	0.10
2010-07-05	13:15:18	214.7	0.00	0.10
2010-07-05	13:15:48	221.9	0.00	0.10
2010-07-05	13:16:18	221.2	0.00	0.10
2010-07-05	13:16:48	221.6	0.00	0.10
2010-07-05	13:17:18	221.4	0.00	0.10
2010-07-05	13:17:48	221.1	0.00	0.10
2010-07-05	13:18:18	220.6	0.00	0.10
2010-07-05	13:18:48	217.9	0.00	0.10

	Organization	Personnel	Date
Approved by	AQUASTAR	QES	2010.07.05
Witnessed by	KOMERZ	OB-Tor	2010.07.05

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-05	13:19:18	217.5	0.00	0.10
2010-07-05	13:19:48	218.1	0.00	0.10
2010-07-05	13:20:18	217.1	0.00	0.10
2010-07-05	13:20:48	217.0	0.00	0.10
2010-07-05	13:21:18	219.4	0.00	0.10
2010-07-05	13:21:48	219.4	0.00	0.10
2010-07-05	13:22:18	219.3	0.00	0.10
2010-07-05	13:22:48	218.3	0.00	0.10
2010-07-05	13:23:18	218.8	0.00	0.10
2010-07-05	13:23:48	218.1	0.00	0.10
2010-07-05	13:24:18	218.2	0.00	0.10
2010-07-05	13:24:48	218.0	0.00	0.10
2010-07-05	13:25:18	217.7	0.00	0.10
2010-07-05	13:25:48	216.6	0.00	0.10
2010-07-05	13:26:18	217.5	0.00	0.10
2010-07-05	13:26:48	217.6	0.00	0.10
2010-07-05	13:27:18	217.0	0.00	0.10
2010-07-05	13:27:48	217.2	0.00	0.10
2010-07-05	13:28:18	214.7	0.00	0.10
2010-07-05	13:28:48	216.5	0.00	0.10
2010-07-05	13:29:18	215.5	0.00	0.10
2010-07-05	13:29:48	216.5	0.00	0.10
2010-07-05	13:30:18	215.2	0.00	0.10
2010-07-05	13:30:48	215.6	0.00	0.10
2010-07-05	13:31:18	216.4	0.00	0.10
2010-07-05	13:31:48	217.6	0.00	0.10
2010-07-05	13:32:18	215.2	0.00	0.10
2010-07-05	13:32:48	213.6	0.00	0.10
2010-07-05	13:33:18	212.7	0.00	0.10
2010-07-05	13:33:48	213.3	0.00	0.10
2010-07-05	13:34:18	212.7	0.00	0.10
2010-07-05	13:34:48	213.5	0.00	0.10
2010-07-05	13:35:18	211.6	0.00	0.10
2010-07-05	13:35:48	211.9	0.00	0.10
2010-07-05	13:36:18	212.1	0.00	0.10
2010-07-05	13:36:48	213.8	0.00	0.10
2010-07-05	13:37:18	214.1	0.00	0.10

	Organization	Personnel	Date
Approved by	AQUA Syng	R CG	2010.07.05
Witnessed by	KOMERZ	045702	2010.07.05

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-05	13:37:48	213.4	0.00	0.10
2010-07-05	13:38:18	212.4	0.00	0.10
2010-07-05	13:38:48	212.6	0.00	0.10
2010-07-05	13:39:18	213.0	0.00	0.10
2010-07-05	13:39:48	212.0	0.00	0.10
2010-07-05	13:40:18	211.7	0.00	0.10
2010-07-05	13:40:48	211.5	0.00	0.10
2010-07-05	13:41:18	211.0	0.00	0.10
2010-07-05	13:41:48	211.1	0.00	0.10
2010-07-05	13:42:18	211.1	0.00	0.10
2010-07-05	13:42:48	210.6	0.00	0.10
2010-07-05	13:43:18	210.7	0.00	0.10
2010-07-05	13:43:48	210.0	0.00	0.10
2010-07-05	13:44:18	209.0	0.00	0.10
2010-07-05	13:44:48	208.3	0.00	0.10
2010-07-05	13:45:18	208.4	0.00	0.10
2010-07-05	13:45:48	208.1	0.00	0.10
2010-07-05	13:46:18	207.2	0.00	0.10
2010-07-05	13:46:48	206.8	0.00	0.10
2010-07-05	13:47:18	207.8	0.00	0.10
2010-07-05	13:47:48	206.3	0.00	0.10
2010-07-05	13:48:18	217.4	0.00	0.10
2010-07-05	13:48:48	239.4	0.00	0.10
2010-07-05	13:49:18	238.1	0.00	0.10
2010-07-05	13:49:48	238.0	0.00	0.10
2010-07-05	13:50:18	238.5	0.00	0.10
2010-07-05	13:50:48	202.4	0.00	0.10
2010-07-05	13:51:18	201.0	0.00	0.10
2010-07-05	13:51:48	202.1	0.00	0.10
2010-07-05	13:52:18	202.1	0.00	0.10
2010-07-05	13:52:48	201.5	0.00	0.10
2010-07-05	13:53:18	201.2	0.00	0.10
2010-07-05	13:53:48	200.3	0.00	0.10
2010-07-05	13:54:18	200.2	0.00	0.10
2010-07-05	13:54:48	199.9	0.00	0.10
2010-07-05	13:55:18	199.3	0.00	0.10
2010-07-05	13:55:48	199.0	0.00	0.10

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	Organization	Personnel	Date
Approved by	AQAEW	BEG	2010.07.05
Witnessed by	KOMERZ	OB	2010.07.05

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-05	13:56:18	199.3	0.00	0.10
2010-07-05	13:56:48	198.7	0.00	0.10
2010-07-05	13:57:18	198.9	0.00	0.10
2010-07-05	13:57:48	198.6	0.00	0.10
2010-07-05	13:58:18	197.6	0.00	0.10
2010-07-05	13:58:48	197.5	0.00	0.10
2010-07-05	13:59:18	197.2	0.00	0.10
2010-07-05	13:59:48	194.6	0.00	0.10
2010-07-05	14:00:43	35.0	0.00	0.10

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	Organization	Personnel	Date
Approved by	AQUA En	R. En	2010.07.05
Witnessed by	KOMERZ	665-poz	2010.07.05

100707 "AquaStar" Electrolysis 3rd ballasting

(1/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-07	11:33:50	85.7	0.00	0.00	0.00	12	0.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0	10.00	
2010-07-07	11:34:19	183.8	0.00	0.00	0.00	631	16.2	26.7	4.0	3.8	3.7	3.8	4.0	4.0	10.00	
2010-07-07	11:34:48	212.0	0.00	0.00	0.00	702	17.1	26.8	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	11:35:18	213.7	0.00	0.00	0.00	705	17.3	26.9	4.3	4.1	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:35:48	213.4	0.00	0.00	0.00	608	16.3	26.9	4.0	3.9	3.8	3.9	3.9	4.0	10.00	
2010-07-07	11:36:18	212.6	0.00	0.00	0.00	663	16.9	27.0	4.2	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-07	11:36:48	213.2	0.00	0.00	0.00	665	17.0	27.1	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	11:37:18	211.9	0.00	0.00	0.00	663	17.0	27.3	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	11:37:48	212.7	0.00	0.00	9.75	665	17.1	27.4	4.2	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	11:38:18	213.1	0.00	0.00	9.75	666	17.1	27.6	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:38:48	211.7	0.00	0.00	9.75	662	17.1	27.8	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:39:18	211.9	0.00	0.00	9.75	664	17.1	28.0	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:39:48	211.0	0.00	0.00	9.83	662	17.1	28.1	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:40:19	210.9	0.00	0.00	9.83	662	17.1	28.3	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:40:48	210.8	0.00	0.00	9.83	662	17.1	28.5	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:41:18	211.3	0.00	0.00	9.83	660	17.1	28.7	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:41:48	210.3	0.00	0.00	10.04	661	17.1	28.9	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:42:18	211.4	0.00	0.00	10.04	662	17.2	29.1	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:42:48	210.3	0.00	0.00	10.03	659	17.1	29.2	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:43:18	209.8	0.00	0.00	10.04	658	17.1	29.4	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:43:48	209.6	0.00	0.00	10.10	658	17.1	29.6	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:44:18	208.9	0.00	0.00	10.10	654	17.1	29.8	4.2	4.0	4.0	4.1	4.1	4.1	10.00	

	Organization	Personnel	Date
Approved by	AquaStar	QZ	2010. 07. 07
Witnessed by	KOMERI	W.Han	2010. 07. 07

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-07	11:44:48	208.9	0.00	0.00	10.10	655	17.1	29.9	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:45:18	209.2	0.00	0.00	10.10	657	17.2	30.1	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:45:48	209.7	0.00	0.00	10.05	657	17.2	30.4	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:46:19	208.2	0.00	0.00	10.05	654	17.1	30.4	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:46:49	208.2	0.00	0.00	10.05	653	17.1	30.6	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:47:18	208.0	0.00	0.00	10.05	654	17.1	30.8	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:47:48	207.8	0.00	0.00	10.05	654	17.2	30.9	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:48:18	207.2	0.00	0.00	10.20	652	17.1	31.1	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:48:48	208.2	0.00	0.00	10.20	653	17.1	31.2	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:49:18	207.4	0.00	0.00	10.20	650	17.1	31.4	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:49:49	207.1	0.00	0.00	10.20	650	17.1	31.4	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:50:18	207.3	0.00	0.00	10.01	651	17.1	31.6	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:50:48	206.9	0.00	0.00	10.01	648	17.1	31.7	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:51:18	207.0	0.00	0.00	10.01	647	17.1	31.7	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:51:48	206.2	0.00	0.00	10.01	646	17.1	31.8	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:52:18	206.7	0.00	0.00	10.25	648	17.1	31.8	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:52:48	206.6	0.00	0.00	10.25	646	17.1	31.9	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:53:18	206.3	0.00	0.00	10.25	643	17.1	32.0	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:53:48	205.5	0.00	0.00	10.25	641	17.1	32.0	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:54:18	205.7	0.00	0.00	10.09	642	17.1	32.1	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:54:48	205.6	0.00	0.00	10.09	642	17.1	32.1	4.2	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:55:18	205.5	0.00	0.00	10.09	638	17.0	32.3	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:55:49	204.6	0.00	0.00	10.09	636	17.0	32.4	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	11:56:18	204.7	0.00	0.00	10.17	634	17.0	32.5	4.1	4.0	4.0	4.1	4.1	10.00		

	Organization	Personnel	Date
Approved by	AQUA Eng	R.C.	2010-07-07
Witnessed by	KOMERI	H.K.M.	2010-07-07

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-07	11:56:48	205.1	0.00	0.00	10.17	637	17.0	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	11:57:18	203.9	0.00	0.00	10.17	630	17.0	32.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	11:57:48	204.6	0.00	0.00	10.17	633	17.0	32.7	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	11:58:18	204.0	0.00	0.00	10.04	631	17.0	32.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	11:58:48	203.8	0.00	0.00	10.04	630	17.0	32.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	11:59:18	203.7	0.00	0.00	10.04	628	16.9	33.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	11:59:48	203.6	0.00	0.00	10.04	627	16.9	33.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:00:18	202.8	0.00	0.00	10.04	624	16.9	33.1	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:00:48	203.6	0.00	0.00	10.11	628	17.0	33.1	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:01:18	202.6	0.00	0.00	10.11	626	16.9	33.1	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:01:49	202.3	0.00	0.00	10.11	622	16.9	33.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:02:18	201.8	0.00	0.00	10.11	620	16.9	33.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-07	12:02:49	202.9	0.00	0.00	10.08	624	16.9	33.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:03:19	202.5	0.00	0.00	10.08	624	16.9	33.6	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:03:48	202.2	0.00	0.00	10.08	622	16.9	33.6	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:04:18	201.7	0.00	0.00	10.08	621	16.9	33.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:04:49	202.0	0.00	0.00	10.01	621	16.9	33.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:05:19	201.1	0.00	0.00	10.01	621	16.9	33.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:05:49	200.2	0.00	0.00	10.01	616	16.9	33.9	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-07	12:06:19	200.5	0.00	0.00	10.01	618	16.9	33.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:06:49	206.7	0.00	0.00	10.19	636	17.0	33.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	12:07:19	205.3	0.00	0.00	10.19	632	17.0	34.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	12:07:48	206.3	0.00	0.00	10.19	634	17.1	34.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-07	12:08:18	205.6	0.00	0.00	10.19	632	17.0	34.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	

Approved by	AQUA Eny	Organization	Personnel	Date
Witnessed by	KOMERI	Organization	Personnel	Date

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-07	12:08:49	204.8	0.00	0.00	10.15	630	17.0	34.1	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:09:18	205.3	0.00	0.00	10.15	632	17.0	34.2	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:09:49	205.8	0.00	0.00	10.15	632	17.0	34.2	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:10:19	205.2	0.00	0.00	10.15	631	17.0	34.3	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:10:48	204.8	0.00	0.00	10.16	630	17.0	34.3	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:11:18	204.6	0.00	0.00	10.16	628	17.0	34.3	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:11:49	205.0	0.00	0.00	10.16	630	17.0	34.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:12:18	203.6	0.00	0.00	10.16	628	17.0	34.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:12:48	204.0	0.00	0.00	10.16	627	17.0	34.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:13:18	204.3	0.00	0.00	10.05	627	17.0	34.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:13:49	203.5	0.00	0.00	10.05	624	17.0	34.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:14:18	204.6	0.00	0.00	10.05	626	17.0	34.6	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:14:48	202.8	0.00	0.00	10.05	623	17.0	34.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:15:18	204.0	0.00	0.00	9.96	626	17.0	34.6	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:15:49	202.3	0.00	0.00	9.96	621	16.9	34.6	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:16:18	202.4	0.00	0.00	9.96	621	17.0	34.6	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-07	12:16:48	202.9	0.00	0.00	9.96	623	17.0	34.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:17:19	202.8	0.00	0.00	10.10	622	17.0	34.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:17:48	202.0	0.00	0.00	10.10	618	16.9	34.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:18:18	201.4	0.00	0.00	10.10	619	16.9	34.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:18:48	201.5	0.00	0.00	10.10	618	16.9	34.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:19:19	201.4	0.00	0.00	9.99	617	16.9	34.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:19:49	201.3	0.00	0.00	9.99	618	16.9	34.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-07	12:20:18	202.7	0.00	0.00	9.99	620	16.9	35.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	

Approved by	Organization	Personnel	Date
KOLMER	RE	2010.07.09	
Witnessed by	AKMEL		2010.7.7

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-07	12:20:49	203.9	0.00	0.00	9.99	626	17.0	35.1	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:21:19	204.3	0.00	0.00	10.21	627	17.0	35.1	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:21:48	203.1	0.00	0.00	10.21	623	17.0	35.1	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:22:18	203.1	0.00	0.00	10.21	623	17.0	35.1	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:22:49	203.8	0.00	0.00	10.21	625	17.0	35.2	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:23:19	202.5	0.00	0.00	10.21	622	17.0	35.3	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:23:48	203.5	0.00	0.00	10.12	621	17.0	35.4	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:24:19	202.9	0.00	0.00	10.12	622	17.0	35.4	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:24:49	203.2	0.00	0.00	10.12	623	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:25:19	202.6	0.00	0.00	10.12	621	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:25:49	202.3	0.00	0.00	10.18	620	17.0	35.5	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:26:18	202.1	0.00	0.00	10.17	619	17.0	35.5	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:26:49	201.7	0.00	0.00	10.17	619	17.0	35.5	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:27:19	202.5	0.00	0.00	10.17	620	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:27:48	201.3	0.00	0.00	10.10	617	16.9	35.5	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:28:19	202.4	0.00	0.00	10.10	619	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:28:48	204.5	0.00	0.00	10.10	628	17.1	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:29:19	205.4	0.00	0.00	10.09	629	17.1	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:29:49	205.2	0.00	0.00	10.22	627	17.1	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:30:19	205.6	0.00	0.00	10.22	628	17.1	35.6	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:30:49	204.7	0.00	0.00	10.21	628	17.1	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:31:19	204.0	0.00	0.00	10.22	625	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:31:49	204.8	0.00	0.00	10.12	624	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:32:19	204.7	0.00	0.00	10.13	625	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		

	Organization	Personnel	Date
Approved by	AQUA Sy	Q	2010.07.07
Witnessed by	KOMERI	W.KIM	2010.7.7

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-07	12:32:49	203.7	0.00	0.00	10.12	624	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:33:19	204.6	0.00	0.00	10.12	626	17.1	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:33:49	203.7	0.00	0.00	10.12	621	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:34:19	203.8	0.00	0.00	10.06	623	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:34:49	203.9	0.00	0.00	10.05	623	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:35:19	202.9	0.00	0.00	10.05	621	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:35:49	203.2	0.00	0.00	10.05	618	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:36:19	202.7	0.00	0.00	10.23	619	17.0	35.5	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:36:49	203.3	0.00	0.00	10.22	621	17.0	35.6	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:37:19	202.4	0.00	0.00	10.23	618	17.0	35.7	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:37:49	202.5	0.00	0.00	10.22	618	17.0	35.8	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:38:19	202.5	0.00	0.00	10.10	617	17.0	35.8	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:38:49	203.3	0.00	0.00	10.10	621	17.0	35.8	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:39:19	201.6	0.00	0.00	10.10	617	17.0	35.9	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:39:48	201.5	0.00	0.00	10.10	617	17.0	35.9	4.1	4.0	4.0	4.1	4.1	10.00		
2010-07-07	12:40:19	200.8	0.00	0.00	10.19	615	16.9	35.9	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:40:49	201.0	0.00	0.00	10.19	615	17.0	35.9	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:41:19	201.6	0.00	0.00	10.20	615	17.0	35.9	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:41:48	200.5	0.00	0.00	10.19	612	16.9	36.0	4.1	4.0	4.0	4.0	4.0	10.00		
2010-07-07	12:42:19	199.2	0.00	0.00	9.98	607	16.9	36.0	4.1	3.9	4.0	4.0	4.0	10.00		
2010-07-07	12:42:48	151.7	0.00	0.00	9.98	492	15.9	36.1	3.8	3.7	3.7	3.8	3.8	10.00		

Approved by	Organization	Personnel	Date
	AQUA Env	E.C	2010. 09. 29
Witnessed by	KOMERI	박경수	2010. 7. 7

100712 "AquaStar" Neutralization 3rd-deballasting

Date	Time	Main Flow	TRO3_read	TRO3_Target	(1/4)
2010-07-12	14:30:52	27.8	4.24	0.1	
2010-07-12	14:31:21	108.3	4.24	0.1	
2010-07-12	14:31:51	202.3	4.24	0.1	
2010-07-12	14:32:21	203.0	4.24	0.1	
2010-07-12	14:32:51	203.3	4.24	0.1	
2010-07-12	14:33:21	203.8	4.24	0.1	
2010-07-12	14:33:50	202.9	4.24	0.1	
2010-07-12	14:34:21	203.7	4.24	0.1	
2010-07-12	14:34:51	202.3	4.24	0.1	
2010-07-12	14:35:21	203.0	0.02	0.1	
2010-07-12	14:35:51	202.1	0.02	0.1	
2010-07-12	14:36:21	202.5	0.02	0.1	
2010-07-12	14:36:51	202.1	0.01	0.1	
2010-07-12	14:37:21	202.4	0.02	0.1	
2010-07-12	14:37:50	201.5	0.02	0.1	
2010-07-12	14:38:21	201.7	0.02	0.1	
2010-07-12	14:38:51	201.7	0.01	0.1	
2010-07-12	14:39:21	201.2	0.02	0.1	
2010-07-12	14:39:50	201.2	0.02	0.1	
2010-07-12	14:40:20	200.8	0.02	0.1	
2010-07-12	14:40:50	200.8	0.02	0.1	
2010-07-12	14:41:21	201.3	0.02	0.1	
2010-07-12	14:41:50	198.8	0.03	0.1	
2010-07-12	14:42:20	199.1	0.02	0.1	
2010-07-12	14:42:50	199.8	0.02	0.1	
2010-07-12	14:43:20	212.5	0.02	0.1	
2010-07-12	14:43:50	213.2	0.03	0.1	
2010-07-12	14:44:20	212.5	0.02	0.1	
2010-07-12	14:44:50	212.4	0.02	0.1	
2010-07-12	14:45:20	212.0	0.02	0.1	
2010-07-12	14:45:50	211.8	0.02	0.1	
2010-07-12	14:46:20	209.3	0.02	0.1	
2010-07-12	14:46:50	209.2	0.02	0.1	
2010-07-12	14:47:20	209.2	0.02	0.1	
2010-07-12	14:47:51	209.5	0.05	0.1	

	Organization	Personnel	Date
Approved by	AQUASTAR Ryo	Ryo	2010.07.12
Witnessed by	KOMERI Hiroki	Hiroki	2010.7.12

Date	Time	Main Flow	TRO3_read	TRO3_Target	(2/4)
2010-07-12	14:48:21	208.4	0.05	0.1	
2010-07-12	14:48:50	207.8	0.04	0.1	
2010-07-12	14:49:20	208.0	0.04	0.1	
2010-07-12	14:49:50	207.5	0.02	0.1	
2010-07-12	14:50:21	208.4	0.03	0.1	
2010-07-12	14:50:50	207.1	0.02	0.1	
2010-07-12	14:51:20	207.9	0.02	0.1	
2010-07-12	14:51:51	207.4	0.05	0.1	
2010-07-12	14:52:20	207.1	0.05	0.1	
2010-07-12	14:52:50	207.3	0.04	0.1	
2010-07-12	14:53:21	212.1	0.04	0.1	
2010-07-12	14:53:50	212.3	0.05	0.1	
2010-07-12	14:54:20	211.7	0.05	0.1	
2010-07-12	14:54:51	213.4	0.05	0.1	
2010-07-12	14:55:20	211.5	0.04	0.1	
2010-07-12	14:55:51	215.5	0.04	0.1	
2010-07-12	14:56:20	214.8	0.05	0.1	
2010-07-12	14:56:51	214.6	0.05	0.1	
2010-07-12	14:57:20	213.5	0.04	0.1	
2010-07-12	14:57:51	214.3	0.04	0.1	
2010-07-12	14:58:20	214.4	0.05	0.1	
2010-07-12	14:58:51	214.0	0.05	0.1	
2010-07-12	14:59:20	213.6	0.05	0.1	
2010-07-12	14:59:50	213.8	0.04	0.1	
2010-07-12	15:00:20	213.1	0.05	0.1	
2010-07-12	15:00:51	212.5	0.05	0.1	
2010-07-12	15:01:20	212.4	0.05	0.1	
2010-07-12	15:01:51	212.7	0.05	0.1	
2010-07-12	15:02:20	212.7	0.05	0.1	
2010-07-12	15:02:50	212.6	0.05	0.1	
2010-07-12	15:03:20	212.2	0.04	0.1	
2010-07-12	15:03:51	209.5	0.04	0.1	
2010-07-12	15:04:20	208.8	0.06	0.1	
2010-07-12	15:04:50	208.8	0.06	0.1	
2010-07-12	15:05:20	208.7	0.05	0.1	
2010-07-12	15:05:50	208.9	0.05	0.1	
2010-07-12	15:06:20	208.5	0.05	0.1	

	Organization	Personnel	Date
Approved by	SQUDEN	QES	2010.07.12
Witnessed by	KUMERI	URKEL	2010.7.12

(3/4)

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-12	15:06:50	208.4	0.05	0.1
2010-07-12	15:07:20	208.0	0.05	0.1
2010-07-12	15:07:51	207.7	0.04	0.1
2010-07-12	15:08:20	208.6	0.04	0.1
2010-07-12	15:08:51	208.2	0.06	0.1
2010-07-12	15:09:20	207.9	0.05	0.1
2010-07-12	15:09:51	207.1	0.05	0.1
2010-07-12	15:10:21	206.7	0.05	0.1
2010-07-12	15:10:51	207.3	0.05	0.1
2010-07-12	15:11:20	206.3	0.05	0.1
2010-07-12	15:11:50	206.9	0.04	0.1
2010-07-12	15:12:21	209.8	0.05	0.1
2010-07-12	15:12:51	209.6	0.05	0.1
2010-07-12	15:13:21	209.2	0.05	0.1
2010-07-12	15:13:51	209.4	0.05	0.1
2010-07-12	15:14:21	208.6	0.05	0.1
2010-07-12	15:14:51	209.1	0.06	0.1
2010-07-12	15:15:20	209.1	0.06	0.1
2010-07-12	15:15:50	208.6	0.05	0.1
2010-07-12	15:16:20	207.9	0.05	0.1
2010-07-12	15:16:51	207.5	0.06	0.1
2010-07-12	15:17:21	208.7	0.05	0.1
2010-07-12	15:17:50	206.8	0.05	0.1
2010-07-12	15:18:20	207.9	0.05	0.1
2010-07-12	15:18:51	207.1	0.05	0.1
2010-07-12	15:19:20	207.2	0.05	0.1
2010-07-12	15:19:50	206.8	0.05	0.1
2010-07-12	15:20:20	204.1	0.05	0.1
2010-07-12	15:20:51	204.2	0.05	0.1
2010-07-12	15:21:20	204.3	0.08	0.1
2010-07-12	15:21:50	203.4	0.08	0.1
2010-07-12	15:22:20	203.7	0.08	0.1
2010-07-12	15:22:50	202.9	0.07	0.1
2010-07-12	15:23:20	202.6	0.13	0.1
2010-07-12	15:23:50	202.6	0.13	0.1
2010-07-12	15:24:21	202.8	0.13	0.1
2010-07-12	15:24:51	202.3	0.13	0.1

	Organization	Personnel	Date
Approved by	SKC Corp	BCS	2010. 07. 12
Witnessed by	KOMERI	박민영	2010. 7. 12

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-12	15:25:21	202.6	0.13	0.1
2010-07-12	15:25:51	202.1	0.13	0.1
2010-07-12	15:26:20	201.9	0.13	0.1
2010-07-12	15:26:51	202.4	0.13	0.1
2010-07-12	15:27:21	201.3	0.12	0.1
2010-07-12	15:27:51	202.1	0.12	0.1
2010-07-12	15:28:20	201.1	0.11	0.1
2010-07-12	15:28:51	210.2	0.11	0.1
2010-07-12	15:29:21	209.2	0.11	0.1
2010-07-12	15:29:50	209.2	0.13	0.1
2010-07-12	15:30:20	209.1	0.13	0.1
2010-07-12	15:30:51	208.8	0.12	0.1
2010-07-12	15:31:21	208.3	0.12	0.1
2010-07-12	15:31:51	175.2	0.10	0.1
2010-07-12	15:32:20	67.5	0.10	0.1

(4/4)

	Organization	Personnel	Date
Approved by	AQUA Gay	R. E.	2010.07.12
Witnessed by	KOMERI	H. KLOZ	2010.7.12

100714 "AquaStar" Electrolysis 4th ballasting

(1/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-14	11:13:41	16.9	0.00	0.00	0.00	15	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	10.00	
2010-07-14	11:14:10	157.2	0.00	0.00	0.00	286	13.7	22.5	3.3	3.3	3.2	3.3	3.2	3.3	10.00	
2010-07-14	11:14:40	201.5	0.00	0.00	0.00	618	16.1	22.5	3.9	3.8	3.7	3.8	3.7	3.8	10.00	
2010-07-14	11:15:10	203.0	0.00	0.00	0.00	624	16.3	22.5	4.0	3.9	3.8	3.9	3.8	3.9	10.00	
2010-07-14	11:15:40	201.6	0.00	0.00	0.00	622	16.4	22.5	4.0	3.9	3.8	3.9	3.8	3.9	10.00	
2010-07-14	11:16:10	201.1	0.00	0.00	0.00	619	16.4	22.6	4.0	3.9	3.8	3.9	3.8	3.9	10.00	
2010-07-14	11:16:40	201.0	0.00	0.00	0.00	619	16.4	22.6	4.0	3.9	3.8	3.9	3.8	3.9	10.00	
2010-07-14	11:17:10	201.2	0.00	0.00	0.00	618	16.5	22.7	4.0	3.9	3.8	3.9	3.8	3.9	10.00	
2010-07-14	11:17:40	200.2	0.00	0.00	0.00	617	16.5	22.8	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-07-14	11:18:10	201.3	0.00	0.00	9.72	621	16.6	22.9	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:18:40	200.1	0.00	0.00	9.72	617	16.6	23.0	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:19:10	200.7	0.00	0.00	9.72	621	16.6	23.2	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:19:40	200.5	0.00	0.00	9.72	619	16.6	23.3	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:20:10	199.9	0.00	0.00	9.83	616	16.6	23.4	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:20:40	199.7	0.00	0.00	9.83	619	16.7	23.7	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:21:10	200.6	0.00	0.00	9.83	620	16.7	23.8	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:21:40	199.9	0.00	0.00	9.83	618	16.7	24.0	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:22:10	199.2	0.00	0.00	9.89	615	16.7	24.2	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:22:40	199.1	0.00	0.00	9.89	615	16.7	24.3	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:23:10	200.7	0.00	0.00	9.89	616	16.7	24.5	4.0	3.9	3.9	4.0	3.9	4.0	10.00	
2010-07-14	11:23:40	206.6	0.00	0.00	9.89	641	17.0	24.6	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:24:10	206.8	0.00	0.00	9.75	641	16.9	24.9	4.1	4.0	4.0	4.1	4.0	4.1	10.00	

Approved by	Organization	Personnel	Date
	AQUASTAR	PG	2010.07.17
Witnessed by	KOMERI	AKMO	2010.7.14

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-14	11:24:40	207.1	0.00	0.00	9.75	641	17.0	25.0	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	11:25:10	206.1	0.00	0.00	9.75	640	17.0	25.2	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:25:40	206.6	0.00	0.00	9.75	641	17.0	25.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:26:10	205.9	0.00	0.00	10.11	639	17.0	25.5	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:26:40	205.5	0.00	0.00	10.11	638	17.0	25.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:27:10	205.1	0.00	0.00	10.10	636	16.9	25.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:27:40	205.5	0.00	0.00	10.10	637	17.0	26.1	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:28:10	205.9	0.00	0.00	10.10	639	17.0	26.2	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:28:40	204.7	0.00	0.00	9.94	637	17.0	26.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:29:10	205.6	0.00	0.00	9.94	639	17.0	26.6	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:29:40	205.4	0.00	0.00	9.94	638	17.0	26.7	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:30:10	204.7	0.00	0.00	9.94	636	17.0	26.8	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:30:40	204.2	0.00	0.00	10.09	635	17.0	27.0	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:31:10	204.9	0.00	0.00	10.09	637	17.0	27.0	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:31:40	204.0	0.00	0.00	10.09	634	17.0	27.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:32:10	204.6	0.00	0.00	10.09	634	17.0	27.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:32:40	203.4	0.00	0.00	10.10	631	16.9	27.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:33:10	204.3	0.00	0.00	10.10	634	17.0	27.6	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:33:40	202.8	0.00	0.00	10.10	631	16.9	27.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:34:10	202.5	0.00	0.00	10.10	631	16.9	27.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:34:40	203.2	0.00	0.00	9.98	632	17.0	28.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:35:10	203.3	0.00	0.00	9.97	631	17.0	28.1	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:35:40	202.7	0.00	0.00	9.97	629	16.9	28.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	

	Organization	Personnel	Date
Approved by	AQUA EASY	8263	2010.07.14
Witnessed by	KOMERI	85420	2010.7.14

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-14	11:36:10	201.9	0.00	0.00	9.97	629	16.9	28.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:36:40	202.8	0.00	0.00	10.03	630	17.0	28.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:37:10	202.6	0.00	0.00	10.03	629	17.0	28.6	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:37:40	202.2	0.00	0.00	10.02	627	16.9	28.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:38:10	201.8	0.00	0.00	10.02	626	16.9	28.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:38:40	200.9	0.00	0.00	10.02	624	16.9	29.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:39:10	201.9	0.00	0.00	9.94	623	16.9	29.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-14	11:39:40	206.9	0.00	0.00	9.94	642	17.1	29.1	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:40:10	207.5	0.00	0.00	9.93	641	17.1	29.3	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:40:40	207.0	0.00	0.00	9.93	641	17.1	29.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:41:10	206.2	0.00	0.00	10.11	640	17.1	29.5	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:41:40	206.0	0.00	0.00	10.11	638	17.1	29.5	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:42:10	206.3	0.00	0.00	10.11	639	17.1	29.7	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:42:40	205.7	0.00	0.00	10.11	637	17.1	29.8	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:43:10	205.4	0.00	0.00	9.88	637	17.1	29.9	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:43:40	206.4	0.00	0.00	9.88	639	17.1	29.9	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:44:10	206.0	0.00	0.00	9.88	638	17.1	30.0	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:44:40	205.4	0.00	0.00	9.88	636	17.1	30.2	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:45:10	205.5	0.00	0.00	9.94	636	17.1	30.2	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:45:40	206.1	0.00	0.00	9.94	636	17.1	30.3	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:46:10	205.0	0.00	0.00	9.94	634	17.1	30.4	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:46:40	204.4	0.00	0.00	9.94	633	17.1	30.5	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2010-07-14	11:47:10	205.2	0.00	0.00	9.77	635	17.1	30.6	4.1	4.0	4.0	4.0	4.1	4.1	10.00	

Approved by	Organization	Personnel	Date
<i>AQUAEGY</i>	<i>PC</i>		2010.07.14
Witnessed by	KOMERI	<i>W.KLOZ</i>	2010.7.14

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-14	11:47:40	204.9	0.00	0.00	9.78	635	17.1	30.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:48:10	204.3	0.00	0.00	9.77	633	17.1	30.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:48:40	204.0	0.00	0.00	9.78	631	17.0	30.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:49:10	203.6	0.00	0.00	9.79	628	17.0	30.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:49:40	204.6	0.00	0.00	9.79	631	17.1	30.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:50:10	203.7	0.00	0.00	9.78	630	17.0	31.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:50:40	203.8	0.00	0.00	9.79	630	17.0	31.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:51:10	204.2	0.00	0.00	9.79	631	17.1	31.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:51:40	204.0	0.00	0.00	9.73	630	17.0	31.2	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:52:10	203.7	0.00	0.00	9.73	628	17.0	31.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:52:40	202.7	0.00	0.00	9.72	627	17.0	31.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:53:10	203.4	0.00	0.00	9.73	630	17.1	31.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:53:40	203.8	0.00	0.00	9.80	629	17.1	31.4	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:54:10	202.4	0.00	0.00	9.80	628	17.0	31.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:54:40	202.9	0.00	0.00	9.79	627	17.0	31.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:55:10	202.8	0.00	0.00	9.80	626	17.0	31.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:55:40	202.3	0.00	0.00	9.81	628	17.0	31.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:56:10	202.3	0.00	0.00	9.81	628	17.0	31.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:56:40	201.5	0.00	0.00	9.81	625	17.0	31.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:57:10	202.2	0.00	0.00	9.81	626	17.0	31.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:57:40	201.5	0.00	0.00	9.95	623	17.0	31.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:58:10	201.4	0.00	0.00	9.95	622	17.0	31.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	11:58:40	200.9	0.00	0.00	9.95	622	17.0	31.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	

Approved by	AQUAGYM	Q. Elay	2010.07.14
Witnessed by	KOMERZ	W.KLOZ	2010. 7. 14

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-14	11:59:10	200.9	0.00	0.00	9.95	622	17.0	31.9	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	11:59:40	200.6	0.00	0.00	10.04	621	17.0	31.9	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:00:10	201.2	0.00	0.00	10.04	623	17.0	31.9	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:00:40	200.6	0.00	0.00	10.04	619	17.0	32.0	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:01:10	200.5	0.00	0.00	10.04	621	17.0	32.0	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:01:40	200.4	0.00	0.00	10.04	622	17.0	32.1	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:02:10	199.6	0.00	0.00	10.04	618	17.0	32.1	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:02:40	200.4	0.00	0.00	10.04	620	17.0	32.1	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:03:10	205.8	0.00	0.00	10.04	638	17.2	32.2	4.2	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:03:40	206.0	0.00	0.00	10.04	638	17.2	32.2	4.2	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:04:10	205.8	0.00	0.00	9.90	637	17.2	32.2	4.2	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:04:40	206.2	0.00	0.00	9.90	637	17.2	32.3	4.2	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:05:10	206.3	0.00	0.00	9.90	637	17.2	32.3	4.2	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:05:40	205.8	0.00	0.00	9.90	636	17.2	32.3	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:06:10	205.4	0.00	0.00	10.05	635	17.2	32.3	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:06:40	205.2	0.00	0.00	10.05	632	17.1	32.3	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:07:10	204.2	0.00	0.00	10.05	633	17.1	32.3	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:07:40	203.6	0.00	0.00	10.05	630	17.1	32.4	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:08:10	203.7	0.00	0.00	10.12	629	17.1	32.4	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:08:40	204.8	0.00	0.00	10.12	632	17.1	32.4	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:09:10	204.1	0.00	0.00	10.12	631	17.1	32.5	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:09:40	203.7	0.00	0.00	10.12	629	17.1	32.5	4.1	4.0	4.0	4.1	4.0	4.1	10.00	
2010-07-14	12:10:10	203.7	0.00	0.00	9.81	629	17.1	32.5	4.1	4.0	4.0	4.1	4.0	4.1	10.00	

Approved by	Organization	Personnel	Date
	AQUAEN	E.C.	2010.07.14
Witnessed by	KOMERZ	W.KLOP	2010.7.14

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-14	12:10:40	204.1	0.00	0.00	9.81	628	17.1	32.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:11:10	203.3	0.00	0.00	9.81	626	17.1	32.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:11:40	204.0	0.00	0.00	9.81	629	17.1	32.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:12:10	202.8	0.00	0.00	10.05	627	17.1	32.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:12:40	202.1	0.00	0.00	10.05	623	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:13:10	202.6	0.00	0.00	10.05	627	17.1	32.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:13:40	202.8	0.00	0.00	10.05	626	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:14:10	202.2	0.00	0.00	10.05	623	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:14:40	202.6	0.00	0.00	10.05	626	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:15:10	202.1	0.00	0.00	10.05	625	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:15:40	201.6	0.00	0.00	10.05	622	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:16:10	202.1	0.00	0.00	10.05	622	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:16:40	201.7	0.00	0.00	10.14	622	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:17:10	201.7	0.00	0.00	10.14	623	17.1	32.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:17:40	203.4	0.00	0.00	10.14	624	17.1	32.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:18:10	205.4	0.00	0.00	10.14	632	17.2	32.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:18:40	205.0	0.00	0.00	9.98	632	17.2	32.7	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:19:10	205.7	0.00	0.00	9.98	634	17.2	32.7	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-14	12:19:40	157.7	0.00	0.00	9.98	488	15.7	32.7	3.8	3.7	3.7	3.7	3.7	3.7	10.00	

Approved by	SUNG GYU	Organization	KOHERI	Personnel	2010.07.14
Witnessed by	W.KIM				2010.7.14

100719 "AquaStar" Neutralization 4th-deballasting

Date	Time	Main Flow TRO3_read	TRO3_Target	(1/4)
2010-07-19	13:16:45	82.0	3.24	0.10
2010-07-19	13:17:14	89.1	3.24	0.10
2010-07-19	13:17:44	206.4	3.24	0.10
2010-07-19	13:18:14	221.3	3.24	0.10
2010-07-19	13:18:44	200.2	0.72	0.10
2010-07-19	13:19:14	210.2	0.72	0.10
2010-07-19	13:19:44	212.2	0.72	0.10
2010-07-19	13:20:14	212.3	0.72	0.10
2010-07-19	13:20:44	196.6	1.72	0.10
2010-07-19	13:21:14	211.7	1.72	0.10
2010-07-19	13:21:44	211.9	1.72	0.10
2010-07-19	13:22:14	211.9	1.72	0.10
2010-07-19	13:22:44	211.6	0.01	0.10
2010-07-19	13:23:14	211.8	0.02	0.10
2010-07-19	13:23:44	211.5	0.01	0.10
2010-07-19	13:24:14	211.4	0.01	0.10
2010-07-19	13:24:44	205.9	0.01	0.10
2010-07-19	13:25:14	205.2	0.02	0.10
2010-07-19	13:25:44	201.4	0.01	0.10
2010-07-19	13:26:14	201.3	0.01	0.10
2010-07-19	13:26:44	201.6	0.01	0.10
2010-07-19	13:27:14	201.9	0.01	0.10
2010-07-19	13:27:44	201.3	0.02	0.10
2010-07-19	13:28:14	201.2	0.01	0.10
2010-07-19	13:28:44	200.6	0.01	0.10
2010-07-19	13:29:14	204.1	0.01	0.10
2010-07-19	13:29:44	203.2	0.00	0.10
2010-07-19	13:30:14	202.7	0.00	0.10
2010-07-19	13:30:44	203.6	0.00	0.10
2010-07-19	13:31:14	202.7	0.02	0.10
2010-07-19	13:31:44	203.5	0.03	0.10
2010-07-19	13:32:14	202.5	0.02	0.10
2010-07-19	13:32:44	202.5	0.02	0.10
2010-07-19	13:33:14	201.6	0.03	0.10
2010-07-19	13:33:44	202.8	0.03	0.10

	Organization	Personnel	Date
Approved by	AQUASTAR	R.E.J	2010.07.19
Witnessed by	KOMERZ	朴民燮	2010.7.19

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Date	Time	Main Flow TRO3_read	TRO3_Target
2010-07-19	13:34:14	202.6	0.02
2010-07-19	13:34:44	201.7	0.02
2010-07-19	13:35:14	201.6	0.05
2010-07-19	13:35:44	199.9	0.05
2010-07-19	13:36:14	200.5	0.04
2010-07-19	13:36:44	200.3	0.04
2010-07-19	13:37:14	203.3	0.04
2010-07-19	13:37:44	204.9	0.02
2010-07-19	13:38:14	203.8	0.03
2010-07-19	13:38:44	203.4	0.02
2010-07-19	13:39:14	204.6	0.02
2010-07-19	13:39:44	207.0	0.05
2010-07-19	13:40:14	206.5	0.05
2010-07-19	13:40:44	205.9	0.04
2010-07-19	13:41:14	207.0	0.04
2010-07-19	13:41:44	206.8	0.05
2010-07-19	13:42:14	205.5	0.04
2010-07-19	13:42:44	206.0	0.05
2010-07-19	13:43:14	206.4	0.04
2010-07-19	13:43:44	206.2	0.05
2010-07-19	13:44:14	205.0	0.05
2010-07-19	13:44:44	205.9	0.05
2010-07-19	13:45:14	204.8	0.04
2010-07-19	13:45:44	203.7	0.05
2010-07-19	13:46:14	201.9	0.05
2010-07-19	13:46:44	202.0	0.04
2010-07-19	13:47:14	202.3	0.04
2010-07-19	13:47:44	201.2	0.02
2010-07-19	13:48:14	201.6	0.03
2010-07-19	13:48:44	201.7	0.02
2010-07-19	13:49:14	201.2	0.02
2010-07-19	13:49:44	201.0	0.02
2010-07-19	13:50:14	201.4	0.05
2010-07-19	13:50:44	203.5	0.05
2010-07-19	13:51:14	203.4	0.04
2010-07-19	13:51:44	203.2	0.04
2010-07-19	13:52:14	203.1	0.05

	Organization	Personnel	Date
Approved by	AQUA Eng	B. Eng	2010. 07. 19
Witnessed by	KOMERI	W.M.Lee	2010. 7. 19

Date	Time	Main Flow TRO3_read	TRO3_Target
2010-07-19	13:52:44	202.9	0.05
2010-07-19	13:53:14	202.5	0.04
2010-07-19	13:53:44	203.2	0.04
2010-07-19	13:54:14	202.8	0.05
2010-07-19	13:54:44	205.5	0.05
2010-07-19	13:55:14	205.9	0.05
2010-07-19	13:55:44	205.4	0.04
2010-07-19	13:56:14	205.5	0.05
2010-07-19	13:56:44	205.0	0.05
2010-07-19	13:57:15	205.0	0.05
2010-07-19	13:57:44	205.3	0.04
2010-07-19	13:58:14	204.9	0.05
2010-07-19	13:58:45	204.7	0.05
2010-07-19	13:59:15	204.6	0.04
2010-07-19	13:59:44	203.9	0.04
2010-07-19	14:00:14	204.6	0.04
2010-07-19	14:00:44	203.7	0.05
2010-07-19	14:01:14	201.7	0.05
2010-07-19	14:01:44	199.9	0.04
2010-07-19	14:02:14	200.3	0.04
2010-07-19	14:02:44	200.6	0.05
2010-07-19	14:03:14	200.4	0.05
2010-07-19	14:03:45	200.3	0.04
2010-07-19	14:04:14	202.4	0.04
2010-07-19	14:04:45	202.2	0.05
2010-07-19	14:05:14	201.4	0.05
2010-07-19	14:05:44	201.1	0.04
2010-07-19	14:06:14	201.2	0.04
2010-07-19	14:06:44	201.0	0.05
2010-07-19	14:07:14	201.2	0.05
2010-07-19	14:07:44	200.9	0.05
2010-07-19	14:08:14	200.8	0.04
2010-07-19	14:08:45	202.5	0.05
2010-07-19	14:09:14	203.0	0.05
2010-07-19	14:09:45	202.3	0.04
2010-07-19	14:10:15	202.4	0.04
2010-07-19	14:10:44	202.7	0.05

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	Organization	Personnel	Date
Approved by	AQUAGEN	P. Eng	2010. 07. 19
Witnessed by	KOMERI	W. K. Lai	2010. 7. 19

Date	Time	Main Flow TRO3_read	TRO3_Target
2010-07-19	14:11:15	201.3	0.05
2010-07-19	14:11:44	201.8	0.05
2010-07-19	14:12:14	201.1	0.04
2010-07-19	14:12:44	201.5	0.05
2010-07-19	14:13:14	201.2	0.05
2010-07-19	14:13:45	73.2	0.05
2010-07-19	14:14:36	25.9	0.05
2010-07-19	14:14:59	22.3	0.05

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	Organization	Personnel	Date
Approved by	QWEGY	R CG	2010. 07. 19
Witnessed by	KOMERI	WIKI	2010. 7. 19

100721 "AquaStar" Electrolysis 5th ballasting

(1/7)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-21	11:00:13	17.7	0.00	0.00	0.00	21	0.0	28.4	0.0	0.0	0.0	0.0	0.0	0.0	10.00	
2010-07-21	11:00:42	183.9	0.00	0.00	0.00	571	15.5	28.5	3.8	3.7	3.6	3.6	3.6	3.6	10.00	
2010-07-21	11:01:12	196.8	0.00	0.00	0.00	612	16.0	28.5	3.9	3.8	3.7	3.8	3.8	3.8	10.00	
2010-07-21	11:01:42	197.4	0.00	0.00	0.00	615	16.2	28.5	3.9	3.8	3.7	3.8	3.8	3.8	10.00	
2010-07-21	11:02:12	199.5	0.00	0.00	0.88	621	16.3	28.5	4.0	3.8	3.8	3.9	3.9	3.9	10.00	
2010-07-21	11:02:42	200.5	0.00	0.00	0.88	624	16.4	28.6	4.0	3.9	3.8	3.9	3.9	3.9	10.00	
2010-07-21	11:03:12	201.1	0.00	0.00	0.88	625	16.4	28.6	4.0	3.9	3.8	3.9	3.9	3.9	10.00	
2010-07-21	11:03:42	202.8	0.00	0.00	0.88	630	16.5	28.7	4.0	3.9	3.8	3.9	3.9	3.9	10.00	
2010-07-21	11:04:12	202.2	0.00	0.00	3.75	626	16.5	28.7	4.0	3.9	3.8	3.9	3.9	3.9	10.00	
2010-07-21	11:04:42	206.6	0.00	0.00	3.75	644	16.7	28.9	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:05:12	206.5	0.00	0.00	3.75	640	16.7	29.0	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:05:42	205.0	0.00	0.00	3.75	638	16.7	29.1	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:06:12	206.3	0.00	0.00	3.75	640	16.7	29.3	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:06:42	205.6	0.00	0.00	9.80	639	16.7	29.3	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:07:12	204.9	0.00	0.00	9.80	637	16.7	29.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:07:42	205.3	0.00	0.00	9.80	639	16.8	29.7	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:08:12	205.4	0.00	0.00	9.95	641	16.8	29.8	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:08:42	205.7	0.00	0.00	9.95	643	16.8	29.9	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:09:12	204.6	0.00	0.00	9.95	638	16.8	30.1	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:09:42	204.3	0.00	0.00	9.95	637	16.8	30.2	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:10:12	204.6	0.00	0.00	9.95	639	16.8	30.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:10:42	203.7	0.00	0.00	10.00	637	16.8	30.6	4.1	3.9	3.9	4.0	4.0	4.0	10.00	

Approved by	Organization	Personnel	Date
<i>AQUASTAR</i>	<i>R. Em</i>		<i>2010.07.21</i>
Witnessed by	KOMERC	<i>06-5-21</i>	<i>2010.07.21</i>

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-21	11:11:12	203.9	0.00	0.00	10.00	636	16.8	30.7	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:11:42	202.5	0.00	0.00	10.00	632	16.8	30.9	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:12:12	203.3	0.00	0.00	10.00	637	16.8	31.0	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:12:42	203.1	0.00	0.00	10.06	636	16.8	31.3	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:13:12	203.4	0.00	0.00	10.06	637	16.8	31.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:13:42	202.3	0.00	0.00	10.06	632	16.8	31.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:14:12	202.7	0.00	0.00	10.06	635	16.8	31.6	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:14:42	202.4	0.00	0.00	9.89	634	16.8	31.8	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:15:12	202.2	0.00	0.00	9.89	633	16.8	32.0	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:15:42	201.9	0.00	0.00	9.89	632	16.8	32.1	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:16:12	201.4	0.00	0.00	9.89	629	16.8	32.2	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:16:42	201.1	0.00	0.00	9.96	630	16.8	32.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:17:12	200.6	0.00	0.00	9.96	628	16.8	32.5	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:17:42	199.9	0.00	0.00	9.96	627	16.8	32.7	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:18:12	201.2	0.00	0.00	9.96	630	16.8	32.7	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:18:42	200.5	0.00	0.00	10.12	628	16.8	32.9	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:19:12	200.3	0.00	0.00	10.13	628	16.8	32.9	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:19:42	200.3	0.00	0.00	10.12	627	16.8	33.0	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:20:12	199.6	0.00	0.00	10.12	626	16.8	33.1	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:20:42	199.4	0.00	0.00	10.12	625	16.8	33.2	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:21:12	199.1	0.00	0.00	10.04	621	16.8	33.4	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:21:42	199.8	0.00	0.00	10.04	625	16.8	33.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:22:12	199.4	0.00	0.00	10.04	623	16.8	33.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	

Approved by	Organization	Personnel	Date
	AQUA SW	R CG	2010.07.21
Witnessed by	KDMERZ	6 수현	2010.07.21

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-21	11:22:42	198.7	0.00	0.00	10.04	620	16.8	33.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:23:12	198.2	0.00	0.00	10.10	618	16.8	33.7	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:23:42	199.6	0.00	0.00	10.09	624	16.8	33.8	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:24:12	198.1	0.00	0.00	10.09	620	16.8	33.8	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:24:42	198.7	0.00	0.00	10.09	620	16.8	33.9	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:25:12	198.8	0.00	0.00	10.04	623	16.8	34.0	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:25:42	197.1	0.00	0.00	10.04	616	16.7	34.0	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:26:12	197.2	0.00	0.00	10.03	616	16.7	34.1	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:26:42	197.9	0.00	0.00	10.03	617	16.8	34.2	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:27:12	196.6	0.00	0.00	10.13	615	16.7	34.3	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:27:42	197.6	0.00	0.00	10.13	618	16.8	34.4	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:28:12	197.5	0.00	0.00	10.13	616	16.8	34.4	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:28:42	197.0	0.00	0.00	10.12	615	16.8	34.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:29:12	197.2	0.00	0.00	10.11	616	16.8	34.6	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:29:42	196.3	0.00	0.00	10.11	612	16.7	34.7	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:30:12	197.7	0.00	0.00	10.10	616	16.8	34.8	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:30:42	200.2	0.00	0.00	10.10	623	16.8	34.8	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-07-21	11:31:12	201.4	0.00	0.00	9.96	630	16.9	34.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:31:42	207.0	0.00	0.00	9.96	647	17.1	35.0	4.1	4.0	4.0	4.1	4.1	4.0	10.00	
2010-07-21	11:32:12	206.6	0.00	0.00	9.96	644	17.1	35.0	4.1	4.0	4.0	4.1	4.1	4.0	10.00	
2010-07-21	11:32:42	206.6	0.00	0.00	9.96	645	17.1	35.1	4.1	4.0	4.0	4.1	4.1	4.0	10.00	
2010-07-21	11:33:12	206.3	0.00	0.00	9.96	642	17.0	35.1	4.1	4.0	4.0	4.1	4.1	4.0	10.00	
2010-07-21	11:33:42	206.3	0.00	0.00	10.02	644	17.1	35.2	4.1	4.0	4.0	4.1	4.1	4.0	10.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	R.E.J	2010.07.21
Witnessed by	KOMBER	O.L.Jung	2010.07.21

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-21	11:34:12	206.3	0.00	0.00	10.01	642	17.0	35.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:34:42	206.2	0.00	0.00	10.01	640	17.0	35.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:35:12	206.2	0.00	0.00	10.01	641	17.0	35.4	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:35:42	205.8	0.00	0.00	10.05	641	17.0	35.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:36:12	205.0	0.00	0.00	10.05	640	17.0	35.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:36:42	205.2	0.00	0.00	10.05	639	17.0	35.5	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:37:12	205.4	0.00	0.00	10.05	639	17.0	35.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:37:42	206.0	0.00	0.00	10.04	641	17.1	35.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:38:12	204.6	0.00	0.00	10.03	637	17.0	35.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:38:42	205.4	0.00	0.00	10.03	638	17.0	35.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:39:12	204.2	0.00	0.00	10.03	635	17.0	35.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:39:42	204.5	0.00	0.00	9.98	636	17.0	35.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:40:12	204.8	0.00	0.00	9.98	637	17.0	35.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:40:42	203.2	0.00	0.00	9.98	632	17.0	35.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:41:12	204.4	0.00	0.00	9.98	635	17.0	36.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:41:42	204.1	0.00	0.00	10.10	634	17.0	36.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:42:12	203.7	0.00	0.00	10.10	633	17.0	36.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:42:42	204.0	0.00	0.00	10.10	636	17.0	36.2	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:43:12	203.0	0.00	0.00	10.10	632	17.0	36.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:43:42	203.6	0.00	0.00	10.10	633	17.0	36.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:44:12	203.2	0.00	0.00	10.12	632	17.0	36.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:44:42	203.6	0.00	0.00	10.12	633	17.0	36.3	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:45:12	202.9	0.00	0.00	10.11	631	17.0	36.4	4.1	4.0	4.0	4.1	4.1	4.1	10.00	

Approved by	AQUA Eng	Personnel	Date
Witnessed by	KOMERZ	06.09.2010	2010.09.24

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-21	11:45:42	204.0	0.00	0.00	10.11	634	17.0	36.4	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:46:12	202.8	0.00	0.00	10.04	631	17.0	36.4	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:46:42	203.2	0.00	0.00	10.03	630	17.0	36.4	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:47:12	202.6	0.00	0.00	10.03	630	17.0	36.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:47:42	202.4	0.00	0.00	10.03	628	17.0	36.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:48:12	202.2	0.00	0.00	10.05	628	17.0	36.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:48:42	202.1	0.00	0.00	10.05	628	17.0	36.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:49:12	202.0	0.00	0.00	10.05	627	17.0	36.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:49:42	201.4	0.00	0.00	10.04	627	17.0	36.6	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:50:12	201.4	0.00	0.00	9.96	626	16.9	36.6	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:50:42	201.1	0.00	0.00	9.95	624	16.9	36.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:51:12	200.5	0.00	0.00	9.95	620	16.9	36.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:51:42	199.9	0.00	0.00	9.95	622	16.9	36.7	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:52:12	201.0	0.00	0.00	10.17	622	16.9	36.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:52:42	200.3	0.00	0.00	10.17	623	16.9	36.8	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:53:12	200.7	0.00	0.00	10.16	623	16.9	36.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:53:42	199.6	0.00	0.00	10.17	620	16.9	36.9	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:54:12	200.3	0.00	0.00	10.13	623	16.9	37.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:54:42	200.6	0.00	0.00	9.95	622	16.9	37.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:55:12	199.8	0.00	0.00	9.95	619	16.9	37.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:55:42	200.1	0.00	0.00	9.95	619	16.9	37.1	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:56:12	200.3	0.00	0.00	9.95	622	16.9	37.0	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:56:42	202.2	0.00	0.00	9.92	626	17.0	37.1	4.1	4.0	4.0	4.0	4.0	4.0	10.00	

	Organization	Personnel	Date
Approved by	ANAGEN	R.E.G	2010.07.21
Witnessed by	KOMERZ	O.L.T.Z	2010.07.21

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-21	11:57:12	201.7	0.00	0.00	9.91	626	17.0	37.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:57:42	201.7	0.00	0.00	9.91	627	17.0	37.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:58:12	202.1	0.00	0.00	9.91	627	17.0	37.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:58:42	202.0	0.00	0.00	10.01	626	17.0	37.1	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2010-07-21	11:59:12	201.9	0.00	0.00	10.01	626	17.0	37.1	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	11:59:42	201.4	0.00	0.00	10.00	624	17.0	37.2	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:00:12	201.2	0.00	0.00	10.00	624	17.0	37.2	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:00:42	201.1	0.00	0.00	10.10	624	17.0	37.2	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:01:12	201.2	0.00	0.00	10.10	624	17.0	37.2	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:01:42	201.3	0.00	0.00	10.10	623	16.9	37.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:02:12	201.0	0.00	0.00	10.09	623	17.0	37.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:02:42	200.8	0.00	0.00	10.02	623	17.0	37.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:03:12	201.1	0.00	0.00	10.02	623	17.0	37.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:03:42	200.4	0.00	0.00	10.01	621	16.9	37.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:04:12	200.0	0.00	0.00	10.01	620	16.9	37.3	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:04:42	200.9	0.00	0.00	10.02	621	16.9	37.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:05:12	200.6	0.00	0.00	9.70	622	16.9	37.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:05:42	199.5	0.00	0.00	9.70	617	16.9	37.4	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:06:12	198.9	0.00	0.00	9.70	616	16.9	37.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:06:42	199.7	0.00	0.00	9.70	618	16.9	37.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:07:12	199.8	0.00	0.00	10.13	618	16.9	37.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:07:42	199.6	0.00	0.00	10.13	617	16.9	37.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:08:12	199.3	0.00	0.00	10.13	615	16.9	37.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	

	Organization	Personnel	Date
Approved by	SQUAEN	Rony	2010-07-21
Witnessed by	KOMERZ	06.5.2	2010-07-21

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-07-21	12:08:42	198.5	0.00	0.00	10.13	615		16.9	37.5	4.1	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:09:12	201.8	0.00	0.00	10.10	625		17.0	37.5	4.1	4.0	4.0	4.0	4.1	10.00	
2010-07-21	12:09:42	200.9	0.00	0.00	10.10	622		17.0	37.5	4.1	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:10:12	201.2	0.00	0.00	10.10	622		17.0	37.5	4.1	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:10:42	200.3	0.00	0.00	10.10	618		16.9	37.5	4.1	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:11:12	201.1	0.00	0.00	10.11	622		17.0	37.5	4.1	4.0	4.0	4.0	4.0	10.00	
2010-07-21	12:11:42	18.9	0.00	0.00	10.11	295		13.5	37.5	3.2	3.2	3.1	3.2	3.2	10.00	

	Organization	Personnel	Date
Approved by	AQUA GMBH	Q. Eng	2010.07.21
Witnessed by	KOMERZ	065-02	2010.07.21

100726 "AquaStar" Neutralization 5th-deballasting

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-26	12:47:37	165.7	3.90	0.10
2010-07-26	12:48:07	185.1	3.89	0.10
2010-07-26	12:48:37	211.9	3.89	0.10
2010-07-26	12:49:07	243.5	3.89	0.10
2010-07-26	12:49:37	90.5	3.90	0.10
2010-07-26	12:50:07	136.5	3.89	0.10
2010-07-26	12:50:37	213.3	3.89	0.10
2010-07-26	12:51:07	224.3	3.89	0.10
2010-07-26	12:51:37	208.9	1.73	0.10
2010-07-26	12:52:07	214.4	1.73	0.10
2010-07-26	12:52:37	214.8	1.73	0.10
2010-07-26	12:53:07	222.5	1.74	0.10
2010-07-26	12:53:37	191.9	1.74	0.10
2010-07-26	12:54:07	205.9	1.74	0.10
2010-07-26	12:54:37	207.9	1.74	0.10
2010-07-26	12:55:07	206.2	0.02	0.10
2010-07-26	12:55:37	205.9	0.02	0.10
2010-07-26	12:56:07	199.5	0.01	0.10
2010-07-26	12:56:37	199.5	0.01	0.10
2010-07-26	12:57:07	196.5	0.02	0.10
2010-07-26	12:57:37	207.3	0.02	0.10
2010-07-26	12:58:07	225.0	0.02	0.10
2010-07-26	12:58:37	230.8	0.02	0.10
2010-07-26	12:59:07	227.5	0.02	0.10
2010-07-26	12:59:37	210.8	0.02	0.10
2010-07-26	13:00:07	209.5	0.02	0.10
2010-07-26	13:00:37	209.4	0.02	0.10
2010-07-26	13:01:07	209.9	0.02	0.10
2010-07-26	13:01:37	210.7	0.02	0.10
2010-07-26	13:02:07	207.6	0.01	0.10
2010-07-26	13:02:37	212.3	0.01	0.10
2010-07-26	13:03:07	209.8	0.01	0.10
2010-07-26	13:03:37	209.0	0.02	0.10
2010-07-26	13:04:07	208.6	0.02	0.10
2010-07-26	13:04:37	206.2	0.02	0.10

Approved by	Organization	Personnel	Date
	AQUASTAR	Q. Lai	2010.07.26
Witnessed by	KOMERZ	065782	2010.07.26

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-26	13:05:07	209.1	0.01	0.10
2010-07-26	13:05:37	204.3	0.02	0.10
2010-07-26	13:06:07	205.0	0.02	0.10
2010-07-26	13:06:37	204.3	0.02	0.10
2010-07-26	13:07:07	204.3	0.02	0.10
2010-07-26	13:07:37	204.7	0.02	0.10
2010-07-26	13:08:07	204.4	0.02	0.10
2010-07-26	13:08:37	209.7	0.02	0.10
2010-07-26	13:09:07	199.1	0.02	0.10
2010-07-26	13:09:37	203.0	0.02	0.10
2010-07-26	13:10:07	203.7	0.02	0.10
2010-07-26	13:10:37	204.6	0.02	0.10
2010-07-26	13:11:07	203.2	0.01	0.10
2010-07-26	13:11:37	204.5	0.02	0.10
2010-07-26	13:12:07	207.6	0.02	0.10
2010-07-26	13:12:37	207.3	0.02	0.10
2010-07-26	13:13:07	222.7	0.02	0.10
2010-07-26	13:13:37	205.7	0.02	0.10
2010-07-26	13:14:07	206.6	0.02	0.10
2010-07-26	13:14:37	206.6	0.02	0.10
2010-07-26	13:15:07	205.5	0.05	0.10
2010-07-26	13:15:37	206.5	0.05	0.10
2010-07-26	13:16:07	203.8	0.05	0.10
2010-07-26	13:16:37	202.5	0.05	0.10
2010-07-26	13:17:07	205.3	0.02	0.10
2010-07-26	13:17:37	205.6	0.02	0.10
2010-07-26	13:18:07	209.3	0.02	0.10
2010-07-26	13:18:37	209.3	0.02	0.10
2010-07-26	13:19:07	205.7	0.02	0.10
2010-07-26	13:19:37	205.1	0.02	0.10
2010-07-26	13:20:07	202.3	0.02	0.10
2010-07-26	13:20:37	201.9	0.02	0.10
2010-07-26	13:21:07	204.3	0.03	0.10
2010-07-26	13:21:37	204.1	0.03	0.10
2010-07-26	13:22:07	204.2	0.03	0.10
2010-07-26	13:22:37	204.4	0.02	0.10
2010-07-26	13:23:07	204.7	0.03	0.10

	Organization	Personnel	Date
Approved by	AQQAEN	R.Eon	2010.07.26
Witnessed by	KOMERZ	04702	2010.07.26

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-26	13:23:37	213.0	0.03	0.10
2010-07-26	13:24:07	214.6	0.03	0.10
2010-07-26	13:24:37	230.7	0.02	0.10
2010-07-26	13:25:07	212.8	0.03	0.10
2010-07-26	13:25:37	187.7	0.03	0.10
2010-07-26	13:26:07	187.7	0.03	0.10
2010-07-26	13:26:37	200.9	0.03	0.10
2010-07-26	13:27:07	200.3	0.03	0.10
2010-07-26	13:27:37	203.7	0.03	0.10
2010-07-26	13:28:07	203.7	0.02	0.10
2010-07-26	13:28:37	201.1	0.03	0.10
2010-07-26	13:29:07	203.4	0.03	0.10
2010-07-26	13:29:37	208.2	0.03	0.10
2010-07-26	13:30:07	208.4	0.03	0.10
2010-07-26	13:30:37	207.4	0.03	0.10
2010-07-26	13:31:07	197.2	0.03	0.10
2010-07-26	13:31:37	206.8	0.02	0.10
2010-07-26	13:32:07	205.9	0.02	0.10
2010-07-26	13:32:37	208.6	0.01	0.10
2010-07-26	13:33:07	184.3	0.02	0.10
2010-07-26	13:33:37	206.3	0.03	0.10
2010-07-26	13:34:07	205.8	0.03	0.10
2010-07-26	13:34:37	205.9	0.03	0.10
2010-07-26	13:35:07	205.1	0.03	0.10
2010-07-26	13:35:37	205.3	0.03	0.10
2010-07-26	13:36:07	205.0	0.03	0.10
2010-07-26	13:36:37	206.0	0.03	0.10
2010-07-26	13:37:07	203.9	0.03	0.10
2010-07-26	13:37:37	200.4	0.03	0.10
2010-07-26	13:38:07	200.8	0.03	0.10
2010-07-26	13:38:37	201.3	0.03	0.10
2010-07-26	13:39:07	200.7	0.03	0.10
2010-07-26	13:39:37	197.7	0.03	0.10
2010-07-26	13:40:07	198.2	0.03	0.10
2010-07-26	13:40:37	200.7	0.03	0.10
2010-07-26	13:41:07	199.1	0.02	0.10
2010-07-26	13:41:37	200.7	0.03	0.10

	Organization	Personnel	Date
Approved by	AQASony	R.Cay	2010.09.26
Witnessed by	KOMERZ	O.Goz	2010.09.26

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-07-26	13:42:07	201.5	0.02	0.10
2010-07-26	13:42:37	201.6	0.03	0.10
2010-07-26	13:43:07	201.6	0.03	0.10
2010-07-26	13:43:37	203.3	0.02	0.10
2010-07-26	13:44:07	203.4	0.03	0.10
2010-07-26	13:44:37	200.9	0.03	0.10
2010-07-26	13:45:07	200.8	0.03	0.10
2010-07-26	13:45:37	200.3	0.03	0.10
2010-07-26	13:46:07	200.8	0.03	0.10
2010-07-26	13:46:37	200.7	0.03	0.10
2010-07-26	13:47:07	200.9	0.03	0.10
2010-07-26	13:47:37	200.0	0.03	0.10
2010-07-26	13:48:07	200.4	0.03	0.10
2010-07-26	13:48:37	199.8	0.02	0.10
2010-07-26	13:49:07	199.6	0.02	0.10
2010-07-26	13:49:37	200.3	0.02	0.10
2010-07-26	13:50:07	36.9	0.01	0.10

Approved by	Organization	Personnel	Date
AQUA Env	Q. Env	2010.07.26	
Witnessed by	KOMZAE	DX-502	2010.07.26

101006 "AquaStar" Electrolysis 11th ballasting

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-10-06	10:59:46	28.9	0.00	0.00	0.00	4	0.0	21.3	0.0	0.0	0.0	0.0	0.0	0.0	10.00	
2010-10-06	11:00:15	190.3	0.00	0.00	0.00	617	16.1	21.3	4.0	3.8	3.7	3.8	3.8	3.8	10.00	
2010-10-06	11:00:45	190.4	0.00	0.00	0.00	616	16.2	21.3	4.0	3.8	3.8	3.8	3.8	3.8	10.00	
2010-10-06	11:01:15	189.5	0.00	0.00	0.00	614	16.2	21.4	4.0	3.9	3.8	3.8	3.8	3.8	10.00	
2010-10-06	11:01:45	190.2	0.00	0.00	0.48	616	16.3	21.5	4.0	3.9	3.8	3.9	3.9	3.9	10.00	
2010-10-06	11:02:15	190.3	0.00	0.00	0.48	616	16.4	21.5	4.0	3.9	3.8	3.9	3.9	3.9	10.00	
2010-10-06	11:02:45	197.1	0.00	0.00	0.48	627	16.5	21.6	4.1	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	11:03:15	204.1	0.00	0.00	4.26	659	16.9	21.6	4.2	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:03:45	203.7	0.00	0.00	4.26	660	16.9	21.8	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:04:15	203.1	0.00	0.00	4.26	656	16.9	21.9	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:04:45	203.7	0.00	0.00	4.26	660	17.0	22.1	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:05:15	203.3	0.00	0.00	4.26	658	17.0	22.3	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:05:45	202.9	0.00	0.00	9.97	655	17.0	22.4	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:06:15	203.0	0.00	0.00	9.97	657	17.0	22.6	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:06:45	203.0	0.00	0.00	9.97	657	17.0	22.7	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:07:15	202.2	0.00	0.00	9.97	654	17.0	22.9	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:07:45	201.5	0.00	0.00	10.04	653	17.0	23.1	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:08:15	201.3	0.00	0.00	10.04	651	17.0	23.3	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:08:45	202.1	0.00	0.00	10.03	652	17.0	23.5	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:09:15	200.7	0.00	0.00	10.03	649	17.0	23.7	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:09:45	201.2	0.00	0.00	10.15	651	17.1	23.9	4.2	4.0	4.0	4.0	4.1	4.1	10.00	
2010-10-06	11:10:15	201.3	0.00	0.00	10.15	650	17.1	24.1	4.2	4.0	4.0	4.1	4.1	4.1	10.00	

Approved by	Organization	Personnel	Date
Witnessed by	KOHBERG	OBIER	2010-10-06

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-10-06	11:10:45	199.8	0.00	0.00	10.16	646	17.0	24.3	4.2	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:11:15	200.4	0.00	0.00	10.15	648	17.1	24.4	4.2	4.0	4.0	4.0	4.1	4.1	10.00	
2010-10-06	11:11:45	200.6	0.00	0.00	10.19	649	17.1	24.6	4.2	4.0	4.0	4.0	4.1	4.1	10.00	
2010-10-06	11:12:15	201.2	0.00	0.00	10.19	650	17.1	24.8	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:12:45	200.5	0.00	0.00	10.18	647	17.1	25.0	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:13:15	199.9	0.00	0.00	10.18	647	17.1	25.2	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:13:45	199.7	0.00	0.00	10.31	646	17.1	25.4	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:14:15	199.4	0.00	0.00	10.32	645	17.1	25.5	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:14:45	199.2	0.00	0.00	10.31	645	17.1	25.7	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:15:15	200.1	0.00	0.00	10.31	645	17.1	25.8	4.2	4.0	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:15:45	203.1	0.00	0.00	10.31	657	17.2	26.0	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:16:15	203.6	0.00	0.00	10.42	658	17.2	26.2	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:16:45	202.4	0.00	0.00	10.42	655	17.2	26.4	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:17:15	202.7	0.00	0.00	10.41	655	17.2	26.5	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:17:45	202.9	0.00	0.00	10.42	656	17.2	26.7	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:18:15	202.5	0.00	0.00	10.37	655	17.2	26.9	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:18:45	203.0	0.00	0.00	10.36	656	17.2	27.0	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:19:15	202.2	0.00	0.00	10.37	653	17.2	27.2	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:19:45	201.3	0.00	0.00	10.37	653	17.2	27.3	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:20:15	201.8	0.00	0.00	10.37	653	17.2	27.6	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:20:45	201.0	0.00	0.00	10.36	649	17.2	27.7	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:21:15	201.9	0.00	0.00	10.37	651	17.2	27.9	4.2	4.1	4.0	4.1	4.1	4.1	10.00	
2010-10-06	11:21:45	201.4	0.00	0.00	10.36	649	17.2	28.0	4.2	4.1	4.0	4.1	4.1	4.1	10.00	

	Organization	Personnel	Date
Approved by	AQWA Eng	R. EG	2010.10.06
Witnessed by	KOMERZ	OB TEC	2010.10.06

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-10-06	11:22:15	201.4	0.00	0.00	11.04	650		17.2	28.2	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:22:45	200.6	0.00	0.00	11.04	648		17.2	28.3	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:23:15	204.1	0.00	0.00	11.04	657		17.3	28.4	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:23:45	204.4	0.00	0.00	11.04	650		17.2	28.5	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:24:15	204.0	0.00	0.00	11.09	642		17.1	28.6	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:24:45	204.0	0.00	0.00	11.09	643		17.1	28.7	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:25:15	202.9	0.00	0.00	11.09	638		17.1	28.9	4.2	4.0	4.0	4.1	4.1	10.00	
2010-10-06	11:25:45	203.7	0.00	0.00	11.09	640		17.1	29.0	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:26:15	203.6	0.00	0.00	11.01	638		17.1	29.1	4.2	4.0	4.0	4.1	4.1	10.00	
2010-10-06	11:26:45	203.8	0.00	0.00	11.01	639		17.1	29.2	4.2	4.1	4.0	4.1	4.1	10.00	
2010-10-06	11:27:15	202.9	0.00	0.00	11.01	627		17.0	29.3	4.2	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:27:45	202.9	0.00	0.00	11.01	628		17.0	29.4	4.2	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:28:15	202.5	0.00	0.00	10.99	626		17.0	29.5	4.2	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:28:45	202.3	0.00	0.00	10.99	626		17.0	29.6	4.2	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:29:15	203.1	0.00	0.00	10.99	625		16.9	29.7	4.2	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:29:45	201.9	0.00	0.00	10.99	622		16.9	29.8	4.1	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:30:15	201.5	0.00	0.00	10.99	621		16.9	29.8	4.1	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:30:45	202.0	0.00	0.00	11.09	623		16.9	29.9	4.2	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:31:15	202.0	0.00	0.00	11.09	622		16.9	29.9	4.1	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:31:45	202.2	0.00	0.00	11.09	621		16.9	30.0	4.1	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:32:15	202.1	0.00	0.00	11.09	622		16.9	30.1	4.1	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:32:45	201.2	0.00	0.00	11.06	618		16.9	30.2	4.1	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:33:15	202.1	0.00	0.00	11.06	609		16.8	30.2	4.1	4.0	4.0	4.0	4.0	10.00	

	Organization	Personnel	Date
Approved by	AQUAGEN	Q.S.	2010. 10. 06
Witnessed by	KOMERZ	DL. S.	2010. 10. 06

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-10-06	11:33:45	201.5	0.00	0.00	11.06	608	16.8	30.2	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:34:15	201.9	0.00	0.00	11.06	611	16.8	30.2	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:34:45	201.0	0.00	0.00	11.01	609	16.8	30.3	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:35:15	200.8	0.00	0.00	11.01	605	16.8	30.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:35:45	201.0	0.00	0.00	11.01	604	16.8	30.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:36:15	203.5	0.00	0.00	11.01	611	16.8	30.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:36:45	203.0	0.00	0.00	10.92	612	16.8	30.5	4.1	4.0	4.0	4.0	4.0	4.0	10.00	
2010-10-06	11:37:15	203.0	0.00	0.00	10.92	607	16.8	30.6	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:37:45	202.8	0.00	0.00	10.92	607	16.8	30.7	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:38:15	202.8	0.00	0.00	10.92	608	16.8	30.7	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:38:45	202.3	0.00	0.00	10.87	607	16.8	30.8	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:39:15	202.5	0.00	0.00	10.87	604	16.8	30.8	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:39:45	201.8	0.00	0.00	10.87	603	16.8	30.9	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:40:15	202.2	0.00	0.00	10.87	603	16.8	30.9	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:40:45	201.7	0.00	0.00	10.87	603	16.8	30.9	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:41:15	202.2	0.00	0.00	10.78	601	16.7	31.0	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:41:45	203.2	0.00	0.00	10.78	601	16.7	31.0	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:42:15	202.9	0.00	0.00	10.78	603	16.8	31.0	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:42:45	203.5	0.00	0.00	10.78	604	16.8	31.1	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:43:15	203.4	0.00	0.00	10.81	603	16.8	31.1	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:43:45	203.7	0.00	0.00	10.81	603	16.8	31.1	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:44:15	202.9	0.00	0.00	10.81	600	16.7	31.2	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:44:45	203.4	0.00	0.00	10.81	602	16.8	31.2	4.1	4.0	3.9	4.0	4.0	4.0	10.00	

	Organization	Personnel	Date
Approved by			2010.10.06
Witnessed by	KOMEPZ		2010.10.26

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-10-06	11:45:15	203.3	0.00	0.00	10.62	598	16.7	31.3	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:45:45	203.0	0.00	0.00	10.62	600	16.7	31.3	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:46:15	202.5	0.00	0.00	10.62	597	16.7	31.3	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:46:45	202.8	0.00	0.00	10.62	598	16.7	31.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:47:15	202.2	0.00	0.00	10.72	594	16.7	31.4	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:47:45	202.6	0.00	0.00	10.72	596	16.7	31.4	4.1	4.0	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:48:15	202.5	0.00	0.00	10.72	594	16.7	31.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:48:45	202.2	0.00	0.00	10.72	594	16.7	31.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:49:15	202.4	0.00	0.00	10.67	593	16.7	31.6	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:49:45	201.3	0.00	0.00	10.67	589	16.6	31.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:50:15	202.3	0.00	0.00	10.67	592	16.7	31.6	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:50:45	201.9	0.00	0.00	10.67	592	16.7	31.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:51:15	202.2	0.00	0.00	10.76	590	16.6	31.6	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:51:45	201.1	0.00	0.00	10.75	587	16.6	31.6	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:52:15	201.3	0.00	0.00	10.75	587	16.6	31.6	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:52:45	202.1	0.00	0.00	10.75	590	16.6	31.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:53:15	202.9	0.00	0.00	10.75	591	16.7	31.4	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:53:45	202.1	0.00	0.00	10.75	588	16.6	31.4	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:54:15	202.6	0.00	0.00	10.56	591	16.7	31.5	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:54:45	201.7	0.00	0.00	10.56	586	16.6	31.5	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:55:15	202.2	0.00	0.00	10.56	586	16.6	31.4	4.1	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:55:45	201.9	0.00	0.00	10.56	585	16.6	31.4	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:56:15	200.8	0.00	0.00	10.60	584	16.6	31.4	4.0	3.9	3.9	4.0	4.0	4.0	10.00	

	Organization	Personnel	Date
Approved by	SAQIB	QEG	2010.10.06
Witnessed by	KOMERZ	OLAF	2010.10.06

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-10-06	11:56:45	201.5	0.00	0.00	10.60	584	16.6	31.5	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:57:15	201.4	0.00	0.00	10.60	582	16.6	31.5	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:57:45	201.2	0.00	0.00	10.60	582	16.6	31.5	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:58:15	201.4	0.00	0.00	10.70	582	16.6	31.6	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	11:58:45	200.5	0.00	0.00	10.70	579	16.5	31.6	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	11:59:15	200.3	0.00	0.00	10.70	578	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	11:59:45	201.1	0.00	0.00	10.70	579	16.5	31.6	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	12:00:15	200.8	0.00	0.00	10.51	578	16.5	31.7	4.0	3.9	3.9	4.0	4.0	4.0	10.00	
2010-10-06	12:00:45	200.5	0.00	0.00	10.51	578	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:01:15	200.2	0.00	0.00	10.51	575	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:01:45	199.5	0.00	0.00	10.51	573	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:02:15	199.3	0.00	0.00	10.51	575	16.5	31.6	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:02:45	199.8	0.00	0.00	10.56	575	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:03:15	200.3	0.00	0.00	10.56	575	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:03:45	199.9	0.00	0.00	10.56	573	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:04:15	199.9	0.00	0.00	10.56	574	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:04:45	199.9	0.00	0.00	10.63	572	16.5	31.7	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:05:15	198.6	0.00	0.00	10.63	568	16.4	31.8	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:05:45	199.4	0.00	0.00	10.63	571	16.5	31.8	4.0	3.9	3.9	3.9	3.9	3.9	10.00	
2010-10-06	12:06:15	195.3	0.00	0.00	10.63	566	16.4	31.8	4.0	3.9	3.9	3.9	3.9	3.9	10.00	

	Organization	Personnel	Date
Approved by	ASQAGW	Q.C.	2010-10-06
Witnessed by	KOMERI	O.L.T.O.	2010-10-06

101011 "AquaStar" Neutralization 11th-deballasting

Date	Time	Main Flow	TRO3_read	TRO3_Target	(1/4)
2010-10-11	13:03:12	12.6	4.27	0.10	
2010-10-11	13:03:41	199.4	4.27	0.10	
2010-10-11	13:04:11	205.1	4.27	0.10	
2010-10-11	13:04:41	176.7	4.27	0.10	
2010-10-11	13:05:11	166.0	1.41	0.10	
2010-10-11	13:05:41	213.8	1.41	0.10	
2010-10-11	13:06:11	205.0	1.40	0.10	
2010-10-11	13:06:41	197.8	1.40	0.10	
2010-10-11	13:07:11	200.3	1.40	0.10	
2010-10-11	13:07:41	194.7	0.00	0.10	
2010-10-11	13:08:11	195.6	0.00	0.10	
2010-10-11	13:08:41	199.6	0.00	0.10	
2010-10-11	13:09:11	197.5	0.00	0.10	
2010-10-11	13:09:41	195.4	0.00	0.10	
2010-10-11	13:10:11	197.6	0.00	0.10	
2010-10-11	13:10:41	196.6	0.00	0.10	
2010-10-11	13:11:11	196.3	0.00	0.10	
2010-10-11	13:11:41	196.1	0.00	0.10	
2010-10-11	13:12:11	196.8	0.00	0.10	
2010-10-11	13:12:41	195.5	0.00	0.10	
2010-10-11	13:13:11	196.9	0.00	0.10	
2010-10-11	13:13:41	197.5	0.00	0.10	
2010-10-11	13:14:11	196.6	0.00	0.10	
2010-10-11	13:14:41	202.1	0.00	0.10	
2010-10-11	13:15:11	208.8	0.00	0.10	
2010-10-11	13:15:41	209.8	0.00	0.10	
2010-10-11	13:16:11	209.4	0.00	0.10	
2010-10-11	13:16:41	209.4	0.00	0.10	
2010-10-11	13:17:11	209.1	0.00	0.10	
2010-10-11	13:17:41	209.1	0.00	0.10	
2010-10-11	13:18:11	208.3	0.00	0.10	
2010-10-11	13:18:41	208.2	0.00	0.10	
2010-10-11	13:19:11	207.5	0.00	0.10	
2010-10-11	13:19:41	208.8	0.00	0.10	
2010-10-11	13:20:11	207.6	0.00	0.10	

	Organization	Personnel	Date
Approved by	AquaStar	Q.C.	2010.10.11
Witnessed by	KOMERZ	O.B.F.	2010.10.11

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-10-11	13:20:41	206.2	0.00	0.10
2010-10-11	13:21:11	207.3	0.00	0.10
2010-10-11	13:21:41	206.0	0.00	0.10
2010-10-11	13:22:11	206.9	0.00	0.10
2010-10-11	13:22:41	206.3	0.00	0.10
2010-10-11	13:23:11	205.9	0.00	0.10
2010-10-11	13:23:41	205.6	0.00	0.10
2010-10-11	13:24:11	205.4	0.00	0.10
2010-10-11	13:24:41	206.1	0.00	0.10
2010-10-11	13:25:11	205.6	0.00	0.10
2010-10-11	13:25:41	205.0	0.00	0.10
2010-10-11	13:26:11	205.7	0.00	0.10
2010-10-11	13:26:41	205.3	0.00	0.10
2010-10-11	13:27:11	205.1	0.00	0.10
2010-10-11	13:27:41	205.0	0.00	0.10
2010-10-11	13:28:11	205.1	0.00	0.10
2010-10-11	13:28:41	204.3	0.00	0.10
2010-10-11	13:29:11	204.2	0.00	0.10
2010-10-11	13:29:41	204.5	0.00	0.10
2010-10-11	13:30:11	203.1	0.00	0.10
2010-10-11	13:30:41	204.5	0.00	0.10
2010-10-11	13:31:11	203.5	0.00	0.10
2010-10-11	13:31:41	202.9	0.00	0.10
2010-10-11	13:32:11	203.3	0.00	0.10
2010-10-11	13:32:41	203.6	0.00	0.10
2010-10-11	13:33:11	202.8	0.00	0.10
2010-10-11	13:33:41	202.2	0.00	0.10
2010-10-11	13:34:11	201.4	0.00	0.10
2010-10-11	13:34:41	201.8	0.00	0.10
2010-10-11	13:35:11	202.0	0.00	0.10
2010-10-11	13:35:41	200.6	0.00	0.10
2010-10-11	13:36:11	201.0	0.00	0.10
2010-10-11	13:36:41	200.7	0.00	0.10
2010-10-11	13:37:11	200.7	0.00	0.10
2010-10-11	13:37:41	200.6	0.00	0.10
2010-10-11	13:38:11	200.6	0.00	0.10
2010-10-11	13:38:41	200.6	0.00	0.10

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	Organization	Personnel	Date
Approved by	AQUAGEN	Q. Erol	2010.10.11
Witnessed by	KOMTEK	O. Gunes	2010.10.11

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-10-11	13:39:11	199.8	0.00	0.10
2010-10-11	13:39:41	200.1	0.00	0.10
2010-10-11	13:40:11	199.5	0.00	0.10
2010-10-11	13:40:41	199.3	0.00	0.10
2010-10-11	13:41:11	199.5	0.00	0.10
2010-10-11	13:41:41	199.3	0.00	0.10
2010-10-11	13:42:11	199.1	0.00	0.10
2010-10-11	13:42:41	198.8	0.00	0.10
2010-10-11	13:43:11	198.8	0.00	0.10
2010-10-11	13:43:41	198.9	0.00	0.10
2010-10-11	13:44:11	198.6	0.00	0.10
2010-10-11	13:44:41	199.2	0.00	0.10
2010-10-11	13:45:11	198.3	0.00	0.10
2010-10-11	13:45:41	197.7	0.00	0.10
2010-10-11	13:46:11	197.0	0.00	0.10
2010-10-11	13:46:41	197.1	0.00	0.10
2010-10-11	13:47:11	197.0	0.00	0.10
2010-10-11	13:47:41	196.3	0.00	0.10
2010-10-11	13:48:11	196.0	0.00	0.10
2010-10-11	13:48:41	195.6	0.00	0.10
2010-10-11	13:49:11	195.9	0.00	0.10
2010-10-11	13:49:41	194.9	0.00	0.10
2010-10-11	13:50:11	194.8	0.00	0.10
2010-10-11	13:50:41	194.9	0.00	0.10
2010-10-11	13:51:11	194.6	0.00	0.10
2010-10-11	13:51:41	194.4	0.00	0.10
2010-10-11	13:52:11	194.0	0.00	0.10
2010-10-11	13:52:41	194.6	0.00	0.10
2010-10-11	13:53:11	193.4	0.00	0.10
2010-10-11	13:53:41	192.4	0.00	0.10
2010-10-11	13:54:11	192.4	0.00	0.10
2010-10-11	13:54:41	192.8	0.00	0.10
2010-10-11	13:55:11	192.5	0.00	0.10
2010-10-11	13:55:41	192.5	0.00	0.10
2010-10-11	13:56:11	191.9	0.00	0.10
2010-10-11	13:56:41	191.7	0.00	0.10
2010-10-11	13:57:11	191.7	0.00	0.10

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	Organization	Personnel	Date
Approved by	ADAEY	RE	2010.10.11
Witnessed by	KOMEKE	06-52	2010.10.11

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-10-11	13:57:41	191.0	0.00	0.10
2010-10-11	13:58:11	191.4	0.00	0.10
2010-10-11	13:58:41	190.1	0.00	0.10
2010-10-11	13:59:11	190.6	0.00	0.10
2010-10-11	13:59:41	202.5	0.00	0.10
2010-10-11	14:00:11	199.8	0.00	0.10
2010-10-11	14:00:41	200.1	0.00	0.10
2010-10-11	14:01:11	199.5	0.00	0.10
2010-10-11	14:01:41	202.0	0.00	0.10
2010-10-11	14:02:11	200.6	0.00	0.10
2010-10-11	14:02:41	194.6	0.00	0.10
2010-10-11	14:03:11	200.6	0.00	0.10
2010-10-11	14:03:41	201.0	0.00	0.10

	Organization	Personnel	Date
Approved by	AQUA Eny	R Ery	2010.10.11
Witnessed by	KOMERZ	O Lutz	2010.10.11

110617 "AquaStar" Electrolysis 12th-ballasting

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2011-06-17	12:03:38	203.0	0.00	0.00	0.00	598		16.6	24.1	4.0	3.9	3.9	4.0	4.0	10.00	
2011-06-17	12:04:08	201.6	0.00	0.00	0.00	598		16.6	24.2	4.0	3.9	3.9	4.0	4.0	10.00	
2011-06-17	12:04:38	201.1	0.00	0.00	0.00	596		16.6	24.3	4.0	3.9	3.9	4.0	4.0	10.00	
2011-06-17	12:05:08	201.0	0.00	0.00	0.00	597		16.8	24.3	4.1	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:05:38	201.2	0.00	0.00	9.50	594		16.8	24.5	4.1	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:06:08	200.2	0.00	0.00	9.50	609		16.8	24.5	4.1	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:06:38	201.3	0.00	0.00	9.50	610		16.8	24.6	4.1	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:07:08	203.2	0.00	0.00	9.50	610		16.9	24.8	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:07:38	203.3	0.00	0.00	10.10	609		16.9	24.9	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:08:08	202.7	0.00	0.00	10.10	610		16.9	25.0	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:08:38	201.9	0.00	0.00	10.10	589		16.9	25.1	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:09:08	202.8	0.00	0.00	10.10	590		16.9	25.2	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:09:38	202.6	0.00	0.00	10.29	588		16.7	25.2	4.0	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:10:08	202.2	0.00	0.00	10.29	588		16.7	25.3	4.0	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:10:38	201.8	0.00	0.00	10.29	588		16.7	25.3	4.0	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:11:08	200.9	0.00	0.00	10.29	591		16.8	25.4	4.1	3.9	4.0	4.1	4.1	10.00	
2011-06-17	12:11:38	201.9	0.00	0.00	10.29	589		17.0	25.5	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:12:08	206.9	0.00	0.00	9.99	596		17.0	25.6	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:12:38	200.6	0.00	0.00	9.99	588		17.0	25.7	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:13:08	200.5	0.00	0.00	9.99	598		17.0	25.8	4.1	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:13:38	200.4	0.00	0.00	9.99	598		17.0	25.9	4.1	4.0	4.0	4.2	4.2	10.00	

	Organization	Personnel	Date
Approved by	AQUAEng	01호	11.06.17
Witnessed by	KENERI	-37 23.4	11.06.17

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2011-06-17	12:14:08	199.6	0.00	0.00	9.85	596	17.0	26.0	4.1	4.0	4.0	4.1	4.1	4.0	10.00	
2011-06-17	12:14:38	200.4	0.00	0.00	9.85	597	17.0	26.1	4.1	4.0	4.0	4.1	4.1	4.0	10.00	
2011-06-17	12:15:08	205.8	0.00	0.00	9.85	608	17.0	26.1	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:15:38	206.0	0.00	0.00	9.85	610	17.0	26.2	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:16:08	205.8	0.00	0.00	9.80	608	17.0	26.2	4.1	4.0	4.0	4.0	4.1	4.1	10.00	
2011-06-17	12:16:38	206.2	0.00	0.00	9.80	609	17.1	26.2	4.1	4.0	4.0	4.1	4.2	4.2	10.00	
2011-06-17	12:17:08	206.3	0.00	0.00	9.80	604	17.1	26.3	4.1	4.0	4.0	4.1	4.2	4.2	10.00	
2011-06-17	12:17:38	205.8	0.00	0.00	9.80	608	17.1	26.4	4.1	4.0	4.0	4.0	4.2	4.2	10.00	
2011-06-17	12:18:08	200.4	0.00	0.00	9.70	602	17.1	26.4	4.1	4.0	4.0	4.1	4.2	4.2	10.00	
2011-06-17	12:18:38	200.7	0.00	0.00	9.70	601	17.1	26.5	4.1	4.0	4.0	4.0	4.2	4.2	10.00	
2011-06-17	12:19:08	200.8	0.00	0.00	9.70	601	17.1	26.5	4.1	4.0	4.0	4.0	4.2	4.2	10.00	
2011-06-17	12:19:38	199.6	0.00	0.00	9.70	598	17.1	26.6	4.1	4.0	4.0	4.0	4.2	4.2	10.00	
2011-06-17	12:20:08	199.6	0.00	0.00	9.78	598	17.1	26.7	4.1	4.0	4.0	4.0	4.2	4.2	10.00	
2011-06-17	12:20:38	199.4	0.00	0.00	9.78	602	17.1	26.8	4.1	4.0	4.0	4.1	4.2	4.2	10.00	
2011-06-17	12:21:08	199.2	0.00	0.00	9.78	601	17.1	26.9	4.1	4.0	4.0	4.0	4.2	4.2	10.00	
2011-06-17	12:21:38	198.3	0.00	0.00	9.78	598	17.1	26.9	4.1	4.0	4.0	4.1	4.2	4.2	10.00	
2011-06-17	12:22:08	199.8	0.00	0.00	9.78	599	17.3	26.9	4.2	4.0	4.1	4.2	4.2	4.2	10.00	
2011-06-17	12:22:38	204.1	0.00	0.00	9.64	612	17.3	27.0	4.2	4.1	4.1	4.2	4.2	4.2	10.00	
2011-06-17	12:23:08	204.2	0.00	0.00	9.64	614	17.3	27.0	4.2	4.1	4.1	4.2	4.2	4.2	10.00	
2011-06-17	12:23:38	203.2	0.00	0.00	9.64	611	17.3	27.1	4.2	4.1	4.1	4.2	4.2	4.2	10.00	
2011-06-17	12:24:08	203.9	0.00	0.00	9.64	612	17.3	27.2	4.2	4.1	4.1	4.2	4.2	4.2	10.00	
2011-06-17	12:24:38	204.3	0.00	0.00	10.05	614	17.3	27.3	4.2	4.1	4.1	4.2	4.2	4.2	10.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	01.07	11.06.17
Witnessed by	KOMERI	-23-23-	11.06.17

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2011-06-17	12:25:08	203.7	0.00	0.00	10.05	610	17.3	27.4	4.2	4.0	4.1	4.2	10.00			
2011-06-17	12:25:38	202.4	0.00	0.00	10.05	599	17.3	27.4	4.2	4.1	4.1	4.2	10.00			
2011-06-17	12:26:08	200.6	0.00	0.00	10.05	597	17.2	27.5	4.2	4.0	4.1	4.2	10.00			
2011-06-17	12:26:38	201.1	0.00	0.00	10.40	601	17.2	27.6	4.2	4.0	4.1	4.2	10.00			
2011-06-17	12:27:08	201.1	0.00	0.00	10.40	602	17.2	27.6	4.2	4.0	4.1	4.2	10.00			
2011-06-17	12:27:38	201.1	0.00	0.00	10.40	602	17.2	27.7	4.2	4.0	4.1	4.2	10.00			
2011-06-17	12:28:08	200.7	0.00	0.00	10.40	596	17.1	27.7	4.1	4.0	4.0	4.2	10.00			
2011-06-17	12:28:38	200.4	0.00	0.00	9.73	595	17.1	27.8	4.1	4.0	4.0	4.2	10.00			
2011-06-17	12:29:08	200.4	0.00	0.00	9.74	601	17.1	27.8	4.1	4.0	4.0	4.2	10.00			
2011-06-17	12:29:38	199.8	0.00	0.00	9.73	598	17.0	27.8	4.1	4.0	4.0	4.2	10.00			
2011-06-17	12:30:08	198.9	0.00	0.00	9.73	597	17.2	27.8	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:30:38	199.2	0.00	0.00	9.95	601	17.1	27.8	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:31:08	200.5	0.00	0.00	9.95	610	17.1	27.8	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:31:38	199.5	0.00	0.00	9.95	608	17.1	27.9	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:32:08	200.7	0.00	0.00	9.95	608	17.1	27.9	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:32:38	198.9	0.00	0.00	10.14	605	17.1	27.9	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:33:08	200.4	0.00	0.00	10.15	602	17.1	27.9	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:33:38	200.1	0.00	0.00	10.14	602	17.1	28.1	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:34:08	199.6	0.00	0.00	10.14	598	17.1	28.1	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:34:38	198.8	0.00	0.00	10.14	598	17.1	28.1	4.1	4.0	4.1	4.2	10.00			
2011-06-17	12:35:08	200.5	0.00	0.00	9.81	600	17.1	28.1	4.1	4.0	4.0	4.2	10.00			
2011-06-17	12:35:38	199.8	0.00	0.00	9.81	594	17.1	28.1	4.1	4.0	4.0	4.2	10.00			

	Organization	Personnel	Date
Approved by	AQUA Eny	01.07	11.06.17
Witnessed by	KEMPERI	-3.7.2017	11.06.17

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2011-06-17	12:36:08	199.6	0.00	0.00	9.81	596	17.1	28.0	4.1	4.0	4.1	4.2	4.2	10.00		
2011-06-17	12:36:38	199.3	0.00	0.00	9.81	602	17.1	28.0	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:37:08	199.1	0.00	0.00	10.20	598	17.1	28.1	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:37:38	199.8	0.00	0.00	10.19	598	17.1	28.1	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:38:08	203.4	0.00	0.00	10.20	605	17.1	28.1	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:38:38	202.3	0.00	0.00	10.19	604	17.1	28.1	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:39:08	202.7	0.00	0.00	10.01	601	17.1	28.2	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:39:38	202.4	0.00	0.00	10.00	601	17.0	28.2	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:40:08	202.2	0.00	0.00	10.00	602	17.1	28.2	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:40:38	201.9	0.00	0.00	10.00	600	17.1	28.3	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:41:08	201.4	0.00	0.00	9.80	599	17.1	28.4	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:41:38	201.1	0.00	0.00	9.81	608	17.0	28.5	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:42:08	200.6	0.00	0.00	9.81	607	17.0	28.6	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:42:38	197.2	0.00	0.00	9.80	601	17.0	28.6	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:43:08	196.3	0.00	0.00	10.02	599	17.1	28.7	4.1	4.0	4.0	4.2	4.2	10.00		
2011-06-17	12:43:38	197.7	0.00	0.00	10.02	602	17.0	28.7	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:44:08	200.2	0.00	0.00	10.02	601	17.0	28.7	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:44:38	201.4	0.00	0.00	10.02	603	17.0	28.7	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:45:08	207.0	0.00	0.00	10.01	610	17.0	28.7	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:45:38	206.6	0.00	0.00	9.98	609	17.0	28.7	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:46:08	206.6	0.00	0.00	9.99	609	17.0	28.7	4.1	4.0	4.0	4.1	4.1	10.00		
2011-06-17	12:46:38	203.2	0.00	0.00	9.98	605	17.0	28.7	4.1	4.0	4.0	4.1	4.1	10.00		

	Organization	Personnel	Date
Approved by	AQUA Eng	one03	11.06.17
Witnessed by	KAMERZ	-25-25-	11.06.17

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2011-06-17	12:47:08	203.6	0.00	0.00	9.98	604	17.0	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:47:38	202.9	0.00	0.00	10.11	602	17.0	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:48:08	204.0	0.00	0.00	10.10	607	17.0	28.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:48:38	202.8	0.00	0.00	10.10	601	17.0	28.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:49:08	203.2	0.00	0.00	10.10	605	17.0	28.6	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:49:38	202.6	0.00	0.00	9.90	606	17.0	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:50:08	202.4	0.00	0.00	9.89	608	17.0	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:50:38	202.2	0.00	0.00	9.90	610	17.0	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:51:08	202.1	0.00	0.00	9.89	610	17.0	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:51:38	202.2	0.00	0.00	10.04	609	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:52:08	201.7	0.00	0.00	10.04	602	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:52:38	201.7	0.00	0.00	10.04	602	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:53:08	202.1	0.00	0.00	10.03	601	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:53:38	202.0	0.00	0.00	9.96	598	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:54:08	201.9	0.00	0.00	9.96	599	16.9	28.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:54:38	201.4	0.00	0.00	9.95	598	16.9	28.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:55:08	201.2	0.00	0.00	9.95	600	16.9	28.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:55:38	201.1	0.00	0.00	10.06	601	16.9	28.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:56:08	201.2	0.00	0.00	10.06	598	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:56:38	201.3	0.00	0.00	10.06	599	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:57:08	201.0	0.00	0.00	10.06	596	16.9	29.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:57:38	200.8	0.00	0.00	10.06	595	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	one03	11.06.11
Witnessed by	KOMERS	-2 nd Ed w	11.06.11

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2011-06-17	12:58:08	201.1	0.00	0.00	9.79	599	16.9	29.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:58:38	200.4	0.00	0.00	9.79	594	16.9	29.0	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:59:08	199.8	0.00	0.00	9.79	595	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	12:59:38	200.4	0.00	0.00	9.79	598	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:00:08	200.6	0.00	0.00	10.05	601	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:00:38	201.2	0.00	0.00	10.05	602	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:01:08	200.5	0.00	0.00	10.05	601	16.9	28.9	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:01:38	199.9	0.00	0.00	10.05	598	16.9	28.8	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:02:08	199.7	0.00	0.00	10.16	598	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:02:38	204.1	0.00	0.00	10.16	605	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:03:08	204.4	0.00	0.00	10.16	607	16.9	28.7	4.1	4.0	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:03:38	204.0	0.00	0.00	10.16	606	16.8	28.7	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:04:08	204.0	0.00	0.00	10.35	605	16.8	28.7	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:04:38	202.9	0.00	0.00	10.35	599	16.8	28.8	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:05:08	203.7	0.00	0.00	10.35	601	16.8	28.9	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:05:38	203.6	0.00	0.00	10.34	598	16.8	28.9	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:06:08	202.8	0.00	0.00	10.21	596	16.8	29.0	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:06:38	202.2	0.00	0.00	10.21	595	16.8	29.0	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:07:08	202.6	0.00	0.00	10.21	596	16.8	29.1	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:07:38	202.5	0.00	0.00	10.21	594	16.8	29.1	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:08:08	202.2	0.00	0.00	10.20	593	16.8	29.3	4.1	3.9	4.0	4.1	4.1	4.1	10.00	
2011-06-17	13:08:38	202.4	0.00	0.00	10.33	594	16.8	29.4	4.1	3.9	4.0	4.1	4.1	4.1	10.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	onCO3	11.06.11
Witnessed by	KOMERI	-23-24-	11.06.11

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Date	Time	Main Flow Chlorine Hydrogen TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2011-06-17	13:09:08	201.3	0.00	0.00	10.32	592	16.8	29.5	4.0	3.9	4.0	4.1	10.00
2011-06-17	13:09:38	200.3	0.00	0.00	10.32	591	16.8	29.4	4.1	3.9	4.0	4.1	10.00
2011-06-17	13:10:08	199.9	0.00	0.00	10.33	591	16.8	29.5	4.0	3.9	4.0	4.1	10.00
2011-06-17	13:10:38	199.9	0.00	0.00	10.12	590	16.8	29.5	4.0	3.9	4.0	4.1	10.00
2011-06-17	13:11:08	199.9	0.00	0.00	10.11	588	16.8	29.5	4.0	3.9	4.0	4.1	10.00
2011-06-17	13:11:38	195.3	0.00	0.00	10.12	581	16.8	29.5	4.0	3.9	4.0	4.1	10.00
2011-06-17	13:12:08	157.6	0.00	0.00	10.12	482	16.7	29.6	4.0	3.9	4.0	4.1	10.00

	Organization	Personnel	Date
Approved by	AQUAEny	one03	11.06.17
Witnessed by	KONERI	-27-06-17	11.06.17

110622 "AquaStar" Neutralization 12th-deballasting

Date	Time	Main Flow	TRO3_read	TRO3_Target	(1/4)
2011-06-22	13:15:51	60.2	0.00	0.10	
2011-06-22	13:16:20	213.7	0.00	0.10	
2011-06-22	13:16:50	214.8	0.00	0.10	
2011-06-22	13:17:20	203.0	0.00	0.10	
2011-06-22	13:17:50	216.9	0.00	0.10	
2011-06-22	13:18:20	203.8	0.00	0.10	
2011-06-22	13:18:50	213.6	0.00	0.10	
2011-06-22	13:19:20	202.0	0.00	0.10	
2011-06-22	13:19:50	198.4	0.00	0.10	
2011-06-22	13:20:20	216.8	0.00	0.10	
2011-06-22	13:20:50	208.9	0.00	0.10	
2011-06-22	13:21:20	208.7	0.00	0.10	
2011-06-22	13:21:50	205.6	0.00	0.10	
2011-06-22	13:22:20	207.4	0.00	0.10	
2011-06-22	13:22:50	206.3	0.00	0.10	
2011-06-22	13:23:20	208.1	0.00	0.10	
2011-06-22	13:23:50	206.5	0.00	0.10	
2011-06-22	13:24:20	206.9	0.00	0.10	
2011-06-22	13:24:50	207.1	0.00	0.10	
2011-06-22	13:25:20	206.4	0.00	0.10	
2011-06-22	13:25:50	207.0	0.00	0.10	
2011-06-22	13:26:20	207.2	0.00	0.10	
2011-06-22	13:26:50	206.5	0.00	0.10	
2011-06-22	13:27:20	205.9	0.00	0.10	
2011-06-22	13:27:50	206.2	0.07	0.10	
2011-06-22	13:28:20	205.9	0.07	0.10	
2011-06-22	13:28:50	206.0	0.07	0.10	
2011-06-22	13:29:20	205.5	0.07	0.10	
2011-06-22	13:29:50	205.5	0.03	0.10	
2011-06-22	13:30:20	209.4	0.03	0.10	
2011-06-22	13:30:50	209.1	0.03	0.10	
2011-06-22	13:31:20	209.1	0.03	0.10	
2011-06-22	13:31:50	208.3	0.00	0.10	
2011-06-22	13:32:20	208.2	0.00	0.10	
2011-06-22	13:32:50	207.5	0.00	0.10	

	Organization	Personnel	Date
Approved by	AQUA Eng	onee	11.06.22
Witnessed by	KOMERI	-	11.06.22

Date	Time	Main Flow	TRO3_read	TRO3_Target	(2/4)
2011-06-22	13:33:20	208.8	0.00	0.10	
2011-06-22	13:33:50	207.6	0.00	0.10	
2011-06-22	13:34:20	206.2	0.00	0.10	
2011-06-22	13:34:50	207.3	0.00	0.10	
2011-06-22	13:35:20	206.0	0.00	0.10	
2011-06-22	13:35:50	206.9	0.00	0.10	
2011-06-22	13:36:20	206.3	0.00	0.10	
2011-06-22	13:36:50	205.9	0.00	0.10	
2011-06-22	13:37:20	201.8	0.00	0.10	
2011-06-22	13:37:50	202.0	0.00	0.10	
2011-06-22	13:38:20	200.6	0.00	0.10	
2011-06-22	13:38:50	201.0	0.00	0.10	
2011-06-22	13:39:20	200.7	0.00	0.10	
2011-06-22	13:39:50	200.7	0.07	0.10	
2011-06-22	13:40:20	200.6	0.07	0.10	
2011-06-22	13:40:50	200.6	0.07	0.10	
2011-06-22	13:41:20	200.6	0.07	0.10	
2011-06-22	13:41:50	199.8	0.05	0.10	
2011-06-22	13:42:20	202.5	0.05	0.10	
2011-06-22	13:42:50	199.8	0.05	0.10	
2011-06-22	13:43:20	200.1	0.05	0.10	
2011-06-22	13:43:50	199.5	0.00	0.10	
2011-06-22	13:44:20	202.0	0.00	0.10	
2011-06-22	13:44:50	200.6	0.00	0.10	
2011-06-22	13:45:20	194.6	0.00	0.10	
2011-06-22	13:45:50	207.2	0.00	0.10	
2011-06-22	13:46:20	206.8	0.00	0.10	
2011-06-22	13:46:50	207.8	0.00	0.10	
2011-06-22	13:47:20	206.3	0.00	0.10	
2011-06-22	13:47:50	202.4	0.01	0.10	
2011-06-22	13:48:20	201.0	0.01	0.10	
2011-06-22	13:48:50	202.1	0.01	0.10	
2011-06-22	13:49:20	202.1	0.01	0.10	
2011-06-22	13:49:50	201.5	0.00	0.10	
2011-06-22	13:50:20	201.2	0.00	0.10	
2011-06-22	13:50:50	200.3	0.00	0.10	
2011-06-22	13:51:20	200.2	0.00	0.10	

	Organization	Personnel	Date
Approved by	ARUA Eng	one03	11.06.22
Witnessed by	KOMERZ	23.06.22	11.06.22

Date	Time	Main Flow	TRO3_read	TRO3_Target	(3/4)
2011-06-22	13:51:50	199.9	0.00	0.10	
2011-06-22	13:52:20	199.3	0.00	0.10	
2011-06-22	13:52:50	199.0	0.00	0.10	
2011-06-22	13:53:20	197.5	0.00	0.10	
2011-06-22	13:53:50	197.2	0.00	0.10	
2011-06-22	13:54:20	194.6	0.00	0.10	
2011-06-22	13:54:50	203.8	0.00	0.10	
2011-06-22	13:55:20	202.9	0.00	0.10	
2011-06-22	13:55:50	203.7	0.00	0.10	
2011-06-22	13:56:20	202.3	0.00	0.10	
2011-06-22	13:56:50	203.0	0.00	0.10	
2011-06-22	13:57:20	202.1	0.00	0.10	
2011-06-22	13:57:50	202.5	0.03	0.10	
2011-06-22	13:58:20	202.1	0.03	0.10	
2011-06-22	13:58:50	202.4	0.03	0.10	
2011-06-22	13:59:20	201.5	0.03	0.10	
2011-06-22	13:59:50	201.7	0.03	0.10	
2011-06-22	14:00:20	202.6	0.03	0.10	
2011-06-22	14:00:50	202.8	0.03	0.10	
2011-06-22	14:01:20	202.3	0.03	0.10	
2011-06-22	14:01:50	202.6	0.00	0.10	
2011-06-22	14:02:20	202.1	0.00	0.10	
2011-06-22	14:02:50	201.9	0.00	0.10	
2011-06-22	14:03:20	202.4	0.00	0.10	
2011-06-22	14:03:50	201.3	0.00	0.10	
2011-06-22	14:04:20	202.1	0.00	0.10	
2011-06-22	14:04:50	201.1	0.00	0.10	
2011-06-22	14:05:20	202.4	0.00	0.10	
2011-06-22	14:05:50	201.5	0.00	0.10	
2011-06-22	14:06:20	201.7	0.00	0.10	
2011-06-22	14:06:50	201.7	0.00	0.10	
2011-06-22	14:07:20	201.2	0.00	0.10	
2011-06-22	14:07:50	205.9	0.00	0.10	
2011-06-22	14:08:20	205.2	0.00	0.10	
2011-06-22	14:08:50	201.4	0.00	0.10	
2011-06-22	14:09:20	201.3	0.00	0.10	
2011-06-22	14:09:50	201.6	0.00	0.10	

	Organization	Personnel	Date
Approved by	AQUA Eng	o/EGS	11-06-22
Witnessed by	KOMERZ	-23.06.22	11-06-22

Date	Time	Main Flow	TRO3_read	TRO3_Target
2011-06-22	14:10:20	201.9	0.00	0.10
2011-06-22	14:10:50	201.3	0.00	0.10
2011-06-22	14:11:20	201.2	0.00	0.10
2011-06-22	14:11:50	200.6	0.00	0.10
2011-06-22	14:12:20	204.1	0.00	0.10
2011-06-22	14:12:50	203.2	0.00	0.10
2011-06-22	14:13:20	202.7	0.00	0.10
2011-06-22	14:13:50	203.6	0.03	0.10
2011-06-22	14:14:20	202.7	0.03	0.10
2011-06-22	14:14:50	203.5	0.03	0.10
2011-06-22	14:15:20	202.5	0.03	0.10
2011-06-22	14:15:50	202.5	0.01	0.10
2011-06-22	14:16:20	201.6	0.01	0.10
2011-06-22	14:16:50	202.8	0.01	0.10
2011-06-22	14:17:20	202.6	0.01	0.10
2011-06-22	14:17:50	201.7	0.01	0.10
2011-06-22	14:18:20	201.2	0.01	0.10
2011-06-22	14:18:50	201.0	0.01	0.10
2011-06-22	14:19:20	201.4	0.01	0.10
2011-06-22	14:19:50	203.5	0.00	0.10
2011-06-22	14:20:20	203.4	0.00	0.10
2011-06-22	14:20:50	203.2	0.00	0.10
2011-06-22	14:21:20	203.1	0.00	0.10
2011-06-22	14:21:50	202.9	0.00	0.10
2011-06-22	14:22:20	110.2	0.00	0.10
2011-06-22	14:22:50	20.2	0.00	0.10

(4/4)

	Organization	Personnel	Date
Approved by	AQUA Eny	or. OZ	11.06.22
Witnessed by	KOMERI	z. z. w.	11.06.22

100811 "AquaStar" Electrolysis 6th-ballasting

(1/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-11	12:42:30	98.3	0.00	0.00	0.00	13	0.0	24.2	0.0	0.0	0.1	0.1	12.00			
2010-08-11	12:42:59	189.9	0.00	0.00	0.00	781		20.1	24.3	4.9	4.8	4.7	4.7	12.00		
2010-08-11	12:43:29	184.7	0.00	0.00	0.00	819		20.7	24.3	5.1	4.9	4.8	4.9	12.00		
2010-08-11	12:43:59	202.5	0.00	0.00	0.00	897		21.8	24.3	5.4	5.2	5.1	5.2	12.00		
2010-08-11	12:44:29	204.2	0.00	0.00	0.00	904		22.0	24.4	5.4	5.2	5.1	5.2	12.00		
2010-08-11	12:44:59	203.0	0.00	0.00	0.00	898		22.0	24.5	5.4	5.2	5.1	5.2	12.00		
2010-08-11	12:45:29	203.8	0.00	0.00	9.83	907		22.2	24.6	5.4	5.3	5.2	5.3	12.00		
2010-08-11	12:45:59	204.2	0.00	0.00	9.83	900		22.1	24.7	5.4	5.2	5.2	5.3	12.00		
2010-08-11	12:46:29	203.5	0.00	0.00	9.83	898		22.1	24.9	5.4	5.2	5.2	5.3	12.00		
2010-08-11	12:46:59	202.7	0.00	0.00	9.83	896		22.1	25.1	5.4	5.3	5.2	5.3	12.00		
2010-08-11	12:47:29	201.8	0.00	0.00	11.38	894		22.1	25.4	5.4	5.3	5.2	5.3	12.00		
2010-08-11	12:47:59	202.0	0.00	0.00	11.37	917		22.5	25.7	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:48:29	201.3	0.00	0.00	11.38	911		22.4	26.0	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:48:59	201.3	0.00	0.00	11.38	914		22.5	26.2	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:49:29	201.3	0.00	0.00	11.57	912		22.5	26.6	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:49:59	200.0	0.00	0.00	11.57	906		22.5	27.0	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:50:29	200.9	0.00	0.00	11.57	912		22.6	27.3	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:50:59	200.6	0.00	0.00	11.57	909		22.6	27.6	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:51:29	200.3	0.00	0.00	12.49	906		22.5	27.9	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:51:59	199.6	0.00	0.00	12.49	894		22.4	28.2	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:52:29	203.2	0.00	0.00	12.49	910		22.6	28.7	5.5	5.3	5.3	5.4	12.00		
2010-08-11	12:52:59	202.4	0.00	0.00	12.49	907		22.6	29.0	5.5	5.3	5.3	5.4	12.00		

	Organization	Personnel	Date
Approved by	AQUA Enzy	dr. rer. oec.	10.08.11
Witnessed by	KOMERI	-27.08.11	10.08.11

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-11	12:53:29	202.4	0.00	0.00	12.06	905	22.6	29.4	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	12:53:59	203.6	0.00	0.00	12.06	912	22.7	29.7	5.5	5.3	5.3	5.5	5.5	5.5	12.00	
2010-08-11	12:54:29	202.4	0.00	0.00	12.06	907	22.6	29.9	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	12:54:59	202.1	0.00	0.00	12.06	908	22.7	30.2	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	12:55:29	201.0	0.00	0.00	12.06	905	22.6	30.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	12:55:59	202.0	0.00	0.00	12.08	907	22.7	31.0	5.5	5.3	5.3	5.5	5.5	5.5	12.00	
2010-08-11	12:56:29	200.6	0.00	0.00	12.08	901	22.6	31.3	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	12:56:59	200.4	0.00	0.00	12.08	901	22.6	31.5	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	12:57:29	207.8	0.00	0.00	12.08	934	23.1	31.8	5.6	5.4	5.4	5.6	5.6	5.6	12.00	
2010-08-11	12:57:59	207.0	0.00	0.00	11.96	929	23.0	32.1	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	12:58:29	207.2	0.00	0.00	11.96	927	23.0	32.2	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	12:58:59	206.2	0.00	0.00	11.96	926	23.0	32.5	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	12:59:29	205.6	0.00	0.00	11.96	922	22.9	32.7	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	12:59:59	205.7	0.00	0.00	12.22	919	22.9	33.0	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:00:29	205.4	0.00	0.00	12.22	921	22.9	33.2	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:00:59	204.7	0.00	0.00	12.22	918	22.9	33.3	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:01:29	205.2	0.00	0.00	12.22	917	22.9	33.6	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:01:59	204.5	0.00	0.00	12.34	913	22.8	33.8	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:02:29	204.8	0.00	0.00	12.34	914	22.9	33.9	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:02:59	204.0	0.00	0.00	12.34	911	22.8	34.1	5.5	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:03:29	203.6	0.00	0.00	12.34	912	22.8	34.3	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:03:59	204.6	0.00	0.00	12.68	912	22.8	34.5	5.6	5.4	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:04:29	203.1	0.00	0.00	12.68	895	22.6	34.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	✓	10.08.11
Witnessed by	KOMERI	-27.24.11	10.08.11

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-11	13:04:59	203.1	0.00	0.00	12.68	895	22.6	34.7	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:05:29	202.9	0.00	0.00	12.68	893	22.6	35.0	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:05:59	202.6	0.00	0.00	12.68	891	22.6	35.2	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:06:29	202.0	0.00	0.00	11.96	890	22.5	35.4	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:06:59	203.1	0.00	0.00	11.96	893	22.6	35.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:07:29	202.0	0.00	0.00	11.96	888	22.5	35.9	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:07:59	202.6	0.00	0.00	11.96	885	22.5	36.0	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:08:29	201.6	0.00	0.00	11.63	885	22.5	36.2	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:08:59	202.0	0.00	0.00	11.63	888	22.5	36.2	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:09:29	201.3	0.00	0.00	11.63	885	22.5	36.3	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:09:59	200.9	0.00	0.00	11.63	881	22.4	36.3	5.4	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:10:29	204.2	0.00	0.00	11.76	895	22.6	36.5	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:10:59	205.3	0.00	0.00	11.76	899	22.7	36.5	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:11:29	204.6	0.00	0.00	11.76	897	22.6	36.6	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:11:59	203.5	0.00	0.00	11.76	891	22.6	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:12:29	203.9	0.00	0.00	12.01	893	22.6	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:12:59	203.5	0.00	0.00	12.01	891	22.6	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:13:29	203.0	0.00	0.00	12.01	889	22.5	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:13:59	202.7	0.00	0.00	12.01	887	22.5	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:14:29	203.6	0.00	0.00	11.67	892	22.6	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:14:59	202.7	0.00	0.00	11.67	888	22.5	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:15:29	202.3	0.00	0.00	11.67	888	22.5	36.6	5.5	5.3	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:15:59	203.1	0.00	0.00	11.66	890	22.6	36.7	5.5	5.3	5.3	5.4	5.4	5.4	12.00	

	Organization	Personnel	Date
Approved by	AQUA Gny	one 3	10.08.11
Witnessed by	KAMER	23 w	10.08.11

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-11	13:16:29	202.9	0.00	0.00	11.66	889		22.5	36.8	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:16:59	203.2	0.00	0.00	12.49	890		22.6	36.9	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:17:29	203.1	0.00	0.00	12.49	892		22.6	37.0	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:17:59	202.0	0.00	0.00	12.49	885		22.5	37.1	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:18:29	202.4	0.00	0.00	12.49	886		22.5	37.2	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:18:59	201.5	0.00	0.00	11.66	885		22.5	37.4	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:19:29	201.3	0.00	0.00	11.65	883		22.5	37.5	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:19:59	201.0	0.00	0.00	11.66	882		22.5	37.7	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:20:29	201.1	0.00	0.00	11.65	884		22.5	37.9	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:20:59	201.7	0.00	0.00	11.67	883		22.5	38.0	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:21:29	202.7	0.00	0.00	11.67	887		22.5	38.2	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:21:59	202.2	0.00	0.00	11.66	888		22.5	38.3	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:22:29	202.8	0.00	0.00	11.66	890		22.6	38.4	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:22:59	201.7	0.00	0.00	11.95	885		22.5	38.5	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:23:29	201.7	0.00	0.00	11.95	887		22.5	38.7	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:23:59	202.0	0.00	0.00	11.95	888		22.6	38.7	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:24:29	201.5	0.00	0.00	11.95	887		22.5	38.7	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:24:59	202.1	0.00	0.00	11.51	889		22.6	38.9	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:25:29	201.7	0.00	0.00	11.51	886		22.5	38.9	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:25:59	201.5	0.00	0.00	11.51	889		22.6	39.0	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:26:29	202.0	0.00	0.00	11.51	891		22.6	39.1	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:26:59	201.6	0.00	0.00	11.75	887		22.6	39.2	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:27:29	202.2	0.00	0.00	11.75	891		22.6	39.2	5.5	5.3	5.4	5.4	5.4	12.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	on 20/08/11	10.08.11
Witnessed by	KOMERI	21.08.11	10.08.11

(5/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-11	13:27:59	201.7	0.00	0.00	11.75	893	22.6	39.1	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:28:29	201.9	0.00	0.00	11.75	895	22.7	39.2	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:28:59	202.4	0.00	0.00	11.82	896	22.7	39.2	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:29:29	201.9	0.00	0.00	11.82	893	22.6	39.4	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:29:59	201.9	0.00	0.00	11.82	892	22.6	39.4	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:30:29	202.1	0.00	0.00	11.82	894	22.7	39.4	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:30:59	201.3	0.00	0.00	11.82	891	22.6	39.5	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:31:29	201.3	0.00	0.00	11.88	891	22.6	39.6	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:31:59	201.4	0.00	0.00	11.88	890	22.6	39.6	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:32:29	201.3	0.00	0.00	11.88	891	22.6	39.7	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:32:59	201.3	0.00	0.00	11.88	890	22.6	39.7	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:33:29	201.1	0.00	0.00	11.88	889	22.6	39.8	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:33:59	201.5	0.00	0.00	11.88	890	22.6	39.9	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:34:29	201.4	0.00	0.00	11.88	890	22.6	39.8	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:34:59	201.1	0.00	0.00	11.88	889	22.6	39.8	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:35:29	201.9	0.00	0.00	12.27	892	22.7	39.9	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:35:59	202.0	0.00	0.00	12.27	892	22.6	40.0	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:36:29	201.3	0.00	0.00	12.27	889	22.6	40.0	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:36:59	201.8	0.00	0.00	12.27	892	22.7	40.1	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:37:29	200.7	0.00	0.00	12.13	887	22.6	40.1	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:37:59	201.6	0.00	0.00	12.12	889	22.6	40.1	5.5	5.3	5.4	5.5	5.5	5.5	12.00	
2010-08-11	13:38:29	201.2	0.00	0.00	12.12	889	22.6	40.1	5.5	5.3	5.4	5.4	5.4	5.4	12.00	
2010-08-11	13:38:59	200.7	0.00	0.00	12.12	886	22.6	40.0	5.5	5.3	5.4	5.4	5.4	5.4	12.00	

	Organization	Personnel	Date
Approved by	AQUA Eny	one 03	10.08.11
Witnessed by	KOMERI	- 28 -	10.08.11

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-11	13:39:29	200.7	0.00	0.00	12.23	885		22.6	40.1	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:39:59	200.5	0.00	0.00	12.23	883		22.5	40.1	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:40:29	201.4	0.00	0.00	12.23	888		22.6	40.1	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:40:59	201.2	0.00	0.00	12.23	887		22.6	40.2	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:41:29	201.2	0.00	0.00	12.23	886		22.6	40.2	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:41:59	201.0	0.00	0.00	11.90	884		22.6	40.3	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:42:29	201.3	0.00	0.00	11.90	886		22.6	40.4	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:42:59	200.3	0.00	0.00	11.90	882		22.5	40.4	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:43:29	200.6	0.00	0.00	11.90	882		22.6	40.4	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:43:59	200.5	0.00	0.00	11.95	880		22.5	40.4	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:44:29	200.1	0.00	0.00	11.95	878		22.5	40.3	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:44:59	200.3	0.00	0.00	11.95	879		22.5	40.3	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:45:29	200.5	0.00	0.00	11.95	880		22.5	40.4	5.5	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:45:59	200.6	0.00	0.00	12.15	877		22.5	40.3	5.4	5.3	5.4	5.4	5.4	12.00	
2010-08-11	13:46:29	199.7	0.00	0.00	12.14	875		22.5	40.2	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:46:59	199.3	0.00	0.00	12.14	873		22.4	40.2	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:47:29	200.4	0.00	0.00	12.14	879		22.5	40.2	5.5	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:47:59	199.3	0.00	0.00	12.01	872		22.4	40.3	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:48:29	199.7	0.00	0.00	12.01	873		22.4	40.4	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:48:59	199.5	0.00	0.00	12.01	875		22.5	40.4	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:49:29	198.8	0.00	0.00	12.01	871		22.4	40.4	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:49:59	198.5	0.00	0.00	11.52	869		22.4	40.5	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:50:29	198.6	0.00	0.00	11.52	867		22.4	40.5	5.4	5.3	5.3	5.4	5.4	12.00	
2010-08-11	13:50:59	198.6	0.00	0.00	11.52	870		22.4	40.5	5.4	5.3	5.3	5.4	5.4	12.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	oneo3	10.08.11
Witnessed by	KOMERI	27.08.11	10.08.11

100816 "AquaStar" Neutralization 6th-deballasting

Date	Time	Main Flow	TRO3_read	TRO3_Target	(1/4)
2010-08-16	12:57:53	21.8	5.50	0.10	
2010-08-16	12:59:56	19.7	5.44	0.10	
2010-08-16	13:00:03	24.6	5.44	0.10	
2010-08-16	13:00:32	74.5	5.44	0.10	
2010-08-16	13:01:02	103.1	1.27	0.10	
2010-08-16	13:01:32	226.9	1.27	0.10	
2010-08-16	13:02:02	286.4	1.27	0.10	
2010-08-16	13:02:32	130.0	1.27	0.10	
2010-08-16	13:03:02	180.8	0.00	0.10	
2010-08-16	13:03:32	201.1	0.00	0.10	
2010-08-16	13:04:02	193.4	0.00	0.10	
2010-08-16	13:04:32	189.6	0.00	0.10	
2010-08-16	13:05:02	187.6	0.00	0.10	
2010-08-16	13:05:32	197.6	0.01	0.10	
2010-08-16	13:06:02	204.8	0.01	0.10	
2010-08-16	13:06:32	208.1	0.00	0.10	
2010-08-16	13:07:02	207.9	0.01	0.10	
2010-08-16	13:07:32	206.3	0.01	0.10	
2010-08-16	13:08:02	207.2	0.00	0.10	
2010-08-16	13:08:32	207.1	0.00	0.10	
2010-08-16	13:09:02	206.8	0.01	0.10	
2010-08-16	13:09:32	206.5	0.02	0.10	
2010-08-16	13:10:02	205.9	0.01	0.10	
2010-08-16	13:10:32	206.6	0.01	0.10	
2010-08-16	13:11:02	206.6	0.02	0.10	
2010-08-16	13:11:32	205.5	0.02	0.10	
2010-08-16	13:12:02	205.2	0.01	0.10	
2010-08-16	13:12:32	205.8	0.01	0.10	
2010-08-16	13:13:02	204.9	0.01	0.10	
2010-08-16	13:13:32	205.6	0.01	0.10	
2010-08-16	13:14:02	204.9	0.01	0.10	
2010-08-16	13:14:32	204.6	0.01	0.10	
2010-08-16	13:15:02	205.1	0.01	0.10	
2010-08-16	13:15:32	203.7	0.01	0.10	
2010-08-16	13:16:02	204.7	0.01	0.10	

	Organization	Personnel	Date
Approved by	Aqua Eng	08/08/16	10.08.16
Witnessed by	KOMERI	-23-08-16	10.08.16

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-08-16	13:16:32	204.0	0.01	0.10
2010-08-16	13:17:02	202.7	0.01	0.10
2010-08-16	13:17:32	202.5	0.03	0.10
2010-08-16	13:18:02	203.2	0.03	0.10
2010-08-16	13:18:32	208.6	0.03	0.10
2010-08-16	13:19:02	208.1	0.02	0.10
2010-08-16	13:19:32	209.2	0.01	0.10
2010-08-16	13:20:02	207.6	0.02	0.10
2010-08-16	13:20:32	207.0	0.01	0.10
2010-08-16	13:21:02	207.3	0.01	0.10
2010-08-16	13:21:32	206.8	0.01	0.10
2010-08-16	13:22:02	207.7	0.02	0.10
2010-08-16	13:22:32	202.5	0.01	0.10
2010-08-16	13:23:02	206.6	0.01	0.10
2010-08-16	13:23:32	206.5	0.01	0.10
2010-08-16	13:24:02	206.9	0.02	0.10
2010-08-16	13:24:32	206.4	0.02	0.10
2010-08-16	13:25:02	205.9	0.01	0.10
2010-08-16	13:25:32	206.0	0.01	0.10
2010-08-16	13:26:02	207.0	0.03	0.10
2010-08-16	13:26:32	207.0	0.03	0.10
2010-08-16	13:27:02	206.7	0.02	0.10
2010-08-16	13:27:32	206.1	0.02	0.10
2010-08-16	13:28:02	206.9	0.03	0.10
2010-08-16	13:28:32	206.2	0.03	0.10
2010-08-16	13:29:02	205.1	0.03	0.10
2010-08-16	13:29:32	205.2	0.02	0.10
2010-08-16	13:30:02	205.4	0.02	0.10
2010-08-16	13:30:32	204.9	0.02	0.10
2010-08-16	13:31:02	204.6	0.02	0.10
2010-08-16	13:31:32	205.5	0.01	0.10
2010-08-16	13:32:02	204.9	0.02	0.10
2010-08-16	13:32:32	204.9	0.01	0.10
2010-08-16	13:33:02	203.4	0.01	0.10
2010-08-16	13:33:32	203.4	0.01	0.10
2010-08-16	13:34:02	202.9	0.01	0.10
2010-08-16	13:34:32	206.1	0.02	0.10

	Organization	Personnel	Date
Approved by	AQUA Eny	one O	10.08.16
Witnessed by	KOMPRI	~ 3 ~	10.08.16

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-08-16	13:35:02	206.1	0.01	0.10
2010-08-16	13:35:32	205.8	0.02	0.10
2010-08-16	13:36:02	205.8	0.01	0.10
2010-08-16	13:36:32	205.9	0.03	0.10
2010-08-16	13:37:02	205.4	0.02	0.10
2010-08-16	13:37:32	205.7	0.02	0.10
2010-08-16	13:38:02	204.7	0.02	0.10
2010-08-16	13:38:32	205.8	0.02	0.10
2010-08-16	13:39:02	204.9	0.01	0.10
2010-08-16	13:39:32	204.4	0.02	0.10
2010-08-16	13:40:02	204.2	0.01	0.10
2010-08-16	13:40:32	203.4	0.03	0.10
2010-08-16	13:41:02	204.4	0.03	0.10
2010-08-16	13:41:32	203.8	0.03	0.10
2010-08-16	13:42:02	208.9	0.02	0.10
2010-08-16	13:42:32	208.9	0.01	0.10
2010-08-16	13:43:02	204.2	0.01	0.10
2010-08-16	13:43:32	204.3	0.00	0.10
2010-08-16	13:44:02	204.7	0.00	0.10
2010-08-16	13:44:32	204.1	0.02	0.10
2010-08-16	13:45:02	202.9	0.03	0.10
2010-08-16	13:45:32	203.4	0.03	0.10
2010-08-16	13:46:02	203.0	0.02	0.10
2010-08-16	13:46:32	203.0	0.02	0.10
2010-08-16	13:47:02	202.9	0.02	0.10
2010-08-16	13:47:32	204.9	0.01	0.10
2010-08-16	13:48:02	204.7	0.01	0.10
2010-08-16	13:48:32	204.6	0.01	0.10
2010-08-16	13:49:02	205.8	0.01	0.10
2010-08-16	13:49:32	204.3	0.02	0.10
2010-08-16	13:50:02	204.3	0.01	0.10
2010-08-16	13:50:32	203.1	0.01	0.10
2010-08-16	13:51:02	202.8	0.02	0.10
2010-08-16	13:51:32	202.6	0.03	0.10
2010-08-16	13:52:02	202.4	0.03	0.10
2010-08-16	13:52:32	202.5	0.02	0.10
2010-08-16	13:53:02	201.8	0.03	0.10
2010-08-16	13:53:32	202.0	0.03	0.10

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	Organization	Personnel	Date
Approved by	AQUA Eng	✓	10.08.16
Witnessed by	KOMERZ	-/-	10.08.16

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-08-16	13:54:02	201.5	0.02	0.10
2010-08-16	13:54:32	201.5	0.03	0.10
2010-08-16	13:55:02	204.2	0.02	0.10
2010-08-16	13:55:32	204.9	0.02	0.10
2010-08-16	13:56:02	204.0	0.01	0.10
2010-08-16	13:56:32	204.2	0.01	0.10
2010-08-16	13:57:02	204.1	0.01	0.10
2010-08-16	13:57:32	202.8	0.02	0.10
2010-08-16	13:58:02	203.8	0.02	0.10
2010-08-16	13:58:32	203.3	0.01	0.10
2010-08-16	13:59:02	203.7	0.01	0.10
2010-08-16	13:59:32	202.2	0.01	0.10

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	Organization	Personnel	Date
Approved by	AQWA Eng	one03	10.08.16
Witnessed by	KOMERI	- - - - -	10.08.16

100825 "AquaStar" Electrolysis 7th-ballasting

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Date	Time	Main Flow	Chlorine	Hydrogen TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-25	11:23:00	30.2	0.00	0.00	0.00	12	0.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0	12.00
2010-08-25	11:23:28	193.0	0.00	0.00	0.00	958	22.4	25.4	5.5	5.3	5.2	5.3	5.3	5.3	12.00
2010-08-25	11:23:58	191.2	0.00	0.00	0.00	947	22.4	25.4	5.5	5.3	5.2	5.3	5.3	5.3	12.00
2010-08-25	11:24:28	208.7	0.00	0.00	0.41	1032	23.6	25.4	5.8	5.6	5.5	5.6	5.6	5.6	12.00
2010-08-25	11:24:59	207.6	0.00	0.00	0.41	1031	23.6	25.5	5.9	5.6	5.5	5.6	5.6	5.6	12.00
2010-08-25	11:25:29	207.4	0.00	0.00	0.41	1027	23.7	25.6	5.9	5.6	5.5	5.6	5.6	5.6	12.00
2010-08-25	11:25:58	207.7	0.00	0.00	0.41	1029	23.7	25.8	5.9	5.7	5.5	5.6	5.6	5.6	12.00
2010-08-25	11:26:28	208.1	0.00	0.00	2.92	1032	23.8	26.1	5.9	5.7	5.6	5.7	5.7	5.7	12.00
2010-08-25	11:26:58	207.3	0.00	0.00	2.92	1028	23.8	26.3	5.9	5.7	5.6	5.7	5.7	5.7	12.00
2010-08-25	11:27:28	207.0	0.00	0.00	2.92	1025	23.9	26.7	5.9	5.7	5.6	5.7	5.7	5.7	12.00
2010-08-25	11:27:59	207.7	0.00	0.00	2.92	1028	23.9	27.1	5.9	5.7	5.6	5.7	5.7	5.7	12.00
2010-08-25	11:28:29	206.5	0.00	0.00	10.05	1024	23.9	27.5	5.9	5.7	5.6	5.7	5.7	5.7	12.00
2010-08-25	11:28:59	207.1	0.00	0.00	10.05	1027	24.0	28.0	5.9	5.7	5.6	5.7	5.7	5.7	12.00
2010-08-25	11:29:28	206.5	0.00	0.00	10.05	1026	24.0	28.4	5.9	5.7	5.6	5.8	5.8	5.8	12.00
2010-08-25	11:29:58	205.6	0.00	0.00	10.05	1020	24.0	28.9	5.9	5.7	5.6	5.8	5.8	5.8	12.00
2010-08-25	11:30:28	205.3	0.00	0.00	9.96	1018	24.0	29.4	5.9	5.7	5.6	5.8	5.8	5.8	12.00
2010-08-25	11:30:59	206.2	0.00	0.00	9.96	1024	24.1	29.8	5.9	5.7	5.7	5.8	5.8	5.8	12.00
2010-08-25	11:31:29	205.8	0.00	0.00	9.96	1022	24.1	30.3	5.9	5.7	5.7	5.8	5.8	5.8	12.00
2010-08-25	11:31:58	205.1	0.00	0.00	9.96	1019	24.1	30.8	5.9	5.7	5.7	5.8	5.8	5.8	12.00
2010-08-25	11:32:28	205.2	0.00	0.00	9.84	1018	24.1	31.3	5.9	5.7	5.7	5.8	5.8	5.8	12.00
2010-08-25	11:32:58	205.6	0.00	0.00	9.84	1020	24.2	31.8	5.9	5.7	5.7	5.8	5.8	5.8	12.00
2010-08-25	11:33:28	204.8	0.00	0.00	9.84	1020	24.2	32.3	5.9	5.7	5.7	5.8	5.8	5.8	12.00

	Organization	Personnel	Date
Approved by	AQUA Eny	dr. OJ	10.08.25
Witnessed by	KOMPERC	Ob L	2010.08.25

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow. Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-25	11:33:59	204.8	0.00	0.00	9.84	1017	24.2	32.9	5.9	5.7	5.7	5.8	5.8	12.00	
2010-08-25	11:34:29	204.9	0.00	0.00	9.84	1021	24.2	33.3	5.9	5.7	5.7	5.9	5.9	12.00	
2010-08-25	11:34:58	204.6	0.00	0.00	9.81	974	23.4	33.8	5.6	5.4	5.4	5.6	5.6	11.00	
2010-08-25	11:35:29	205.3	0.00	0.00	9.81	989	23.9	34.3	5.8	5.6	5.6	5.8	5.8	11.00	
2010-08-25	11:35:58	204.9	0.00	0.00	9.81	1010	24.1	34.7	5.9	5.7	5.7	5.8	5.8	11.00	
2010-08-25	11:36:28	204.1	0.00	0.00	9.81	1006	24.1	35.1	5.9	5.7	5.7	5.8	5.8	11.00	
2010-08-25	11:36:59	204.6	0.00	0.00	9.70	1006	24.1	35.6	5.9	5.7	5.7	5.8	5.8	11.00	
2010-08-25	11:37:28	204.6	0.00	0.00	9.70	1014	24.3	36.1	5.9	5.7	5.7	5.9	5.9	11.00	
2010-08-25	11:37:59	203.7	0.00	0.00	9.70	1021	24.3	36.4	5.9	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:38:28	203.7	0.00	0.00	9.70	1022	24.4	36.8	5.9	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:38:58	202.7	0.00	0.00	9.93	1020	24.4	37.2	5.9	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:39:29	203.6	0.00	0.00	9.93	1021	24.4	37.6	5.9	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:39:59	202.9	0.00	0.00	9.93	1018	24.3	38.0	5.9	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:40:29	202.7	0.00	0.00	9.93	1017	24.3	38.3	5.9	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:40:59	202.0	0.00	0.00	9.91	1015	24.3	38.7	5.9	5.7	5.7	5.9	5.9	11.00	
2010-08-25	11:41:29	202.8	0.00	0.00	9.91	1019	24.4	39.1	5.9	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:41:59	201.8	0.00	0.00	9.91	1014	24.3	39.5	5.9	5.7	5.7	5.9	5.9	11.00	
2010-08-25	11:42:28	202.0	0.00	0.00	9.91	1005	24.2	39.7	5.9	5.7	5.7	5.9	5.9	11.00	
2010-08-25	11:42:59	202.1	0.00	0.00	10.20	1008	24.3	40.0	5.9	5.7	5.7	5.9	5.9	11.00	
2010-08-25	11:43:29	204.1	0.00	0.00	10.20	1008	24.2	40.4	5.9	5.7	5.7	5.9	5.9	11.00	
2010-08-25	11:43:59	206.2	0.00	0.00	10.20	1025	24.5	40.6	6.0	5.8	5.8	5.9	5.9	11.00	
2010-08-25	11:44:28	205.6	0.00	0.00	10.20	1023	24.4	40.9	6.0	5.7	5.8	5.9	5.9	11.00	
2010-08-25	11:44:59	205.2	0.00	0.00	12.48	1022	24.4	41.2	6.0	5.7	5.8	5.9	5.9	11.00	

	Organization	Personnel	Date
Approved by	AQUAENG	one 93	10.08.25
Witnessed by	KOMERZ	06.50	2010.08.25

(3/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-25	11:45:29	205.2	0.00	0.00	12.48	1020	24.4	41.5	5.9	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:45:59	205.5	0.00	0.00	12.48	1023	24.5	41.8	6.0	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:46:28	205.1	0.00	0.00	12.49	1019	24.4	42.1	5.9	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:46:59	205.3	0.00	0.00	12.48	1022	24.5	42.3	6.0	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:47:29	204.9	0.00	0.00	12.49	1019	24.4	42.5	5.9	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:47:59	204.5	0.00	0.00	12.48	1017	24.4	42.8	5.9	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:48:29	204.1	0.00	0.00	13.50	1017	24.4	42.9	5.9	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:48:59	204.6	0.00	0.00	13.50	1017	24.4	43.2	5.9	5.7	5.8	5.9	5.9	5.9	11.00	
2010-08-25	11:49:29	204.7	0.00	0.00	13.50	957	23.6	43.3	5.7	5.5	5.6	5.7	5.7	5.7	11.00	
2010-08-25	11:49:59	205.0	0.00	0.00	13.50	956	23.6	43.5	5.7	5.5	5.6	5.7	5.7	5.7	11.00	
2010-08-25	11:50:29	204.6	0.00	0.00	13.47	957	23.6	43.6	5.7	5.5	5.6	5.7	5.7	5.7	11.00	
2010-08-25	11:50:59	205.1	0.00	0.00	13.47	946	23.4	43.8	5.7	5.5	5.5	5.7	5.7	5.7	11.00	
2010-08-25	11:51:29	203.9	0.00	0.00	13.47	945	23.4	43.9	5.7	5.5	5.5	5.7	5.7	5.7	11.00	
2010-08-25	11:51:59	203.8	0.00	0.00	13.47	944	23.4	43.9	5.7	5.5	5.5	5.7	5.7	5.7	11.00	
2010-08-25	11:52:28	204.0	0.00	0.00	11.23	945	23.4	43.8	5.7	5.5	5.5	5.7	5.7	5.7	11.00	
2010-08-25	11:52:59	204.1	0.00	0.00	11.23	924	23.1	43.8	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:53:29	203.2	0.00	0.00	11.22	917	23.0	43.6	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:53:59	203.2	0.00	0.00	11.22	920	23.1	43.4	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:54:29	203.4	0.00	0.00	11.04	918	23.0	43.3	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:54:59	203.1	0.00	0.00	11.03	913	23.0	43.3	5.6	5.4	5.4	5.6	5.6	5.6	11.00	
2010-08-25	11:55:29	202.4	0.00	0.00	11.03	909	22.9	43.3	5.6	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	11:55:58	202.5	0.00	0.00	11.03	909	22.9	43.3	5.6	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	11:56:29	203.4	0.00	0.00	9.98	914	23.0	43.4	5.6	5.4	5.4	5.6	5.6	5.6	11.00	

	Organization	Personnel	Date
Approved by	AQUA-Easy	06.08.25	10.08.25
Witnessed by	ICONVERZ	06.08.25	26.10.08.25

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-25	11:56:59	203.1	0.00	0.00	9.98	910	22.9	43.5	5.6	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	11:57:29	203.3	0.00	0.00	9.98	917	23.0	43.6	5.6	5.4	5.4	5.6	5.6	5.6	11.00	
2010-08-25	11:57:58	202.5	0.00	0.00	9.98	923	23.1	43.7	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:58:29	202.8	0.00	0.00	11.36	925	23.1	43.8	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:58:59	203.1	0.00	0.00	11.36	920	23.1	44.0	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:59:28	202.5	0.00	0.00	11.35	920	23.1	44.0	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	11:59:59	202.2	0.00	0.00	11.36	915	23.0	44.2	5.6	5.4	5.4	5.6	5.6	5.6	11.00	
2010-08-25	12:00:29	201.3	0.00	0.00	11.35	912	23.0	44.3	5.6	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:00:58	201.5	0.00	0.00	11.88	908	22.9	44.3	5.6	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:01:29	203.8	0.00	0.00	11.88	919	23.1	44.4	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	12:01:59	204.3	0.00	0.00	11.88	923	23.1	44.4	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	12:02:28	204.1	0.00	0.00	11.88	919	23.1	44.4	5.6	5.4	5.5	5.6	5.6	5.6	11.00	
2010-08-25	12:02:59	203.3	0.00	0.00	12.19	916	23.0	44.4	5.6	5.4	5.4	5.6	5.6	5.6	11.00	
2010-08-25	12:03:28	203.2	0.00	0.00	12.19	898	22.8	44.5	5.5	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:03:58	204.2	0.00	0.00	12.19	902	22.8	44.5	5.6	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:04:29	203.7	0.00	0.00	12.19	898	22.8	44.5	5.5	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:04:59	203.9	0.00	0.00	12.43	898	22.8	44.5	5.5	5.4	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:05:29	204.0	0.00	0.00	12.43	897	22.8	44.7	5.5	5.3	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:05:59	203.3	0.00	0.00	12.43	885	22.6	44.7	5.5	5.3	5.4	5.4	5.4	5.4	11.00	
2010-08-25	12:06:29	203.5	0.00	0.00	12.43	885	22.6	44.8	5.5	5.3	5.4	5.5	5.5	5.5	11.00	
2010-08-25	12:06:58	203.0	0.00	0.00	12.38	874	22.5	44.8	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-08-25	12:07:29	203.1	0.00	0.00	12.38	876	22.5	44.7	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-08-25	12:07:58	203.3	0.00	0.00	12.38	866	22.4	44.2	5.4	5.3	5.3	5.4	5.4	5.4	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	one03	10.08.25
Witnessed by	KOMEDC	06 수원	2010.08.25

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-25	12:08:29	202.2	0.00	0.00	12.38	863		22.3	43.8	5.4	5.3	5.3	5.4	5.4	11.00	
2010-08-25	12:08:59	202.8	0.00	0.00	11.33	848		22.1	43.6	5.4	5.2	5.2	5.3	5.3	11.00	
2010-08-25	12:09:29	202.3	0.00	0.00	11.33	846		22.1	43.3	5.4	5.2	5.2	5.3	5.3	11.00	
2010-08-25	12:09:59	201.9	0.00	0.00	11.32	844		22.1	43.2	5.4	5.2	5.2	5.3	5.3	11.00	
2010-08-25	12:10:29	202.7	0.00	0.00	11.32	846		22.1	43.1	5.4	5.2	5.2	5.3	5.3	11.00	
2010-08-25	12:10:59	202.7	0.00	0.00	11.32	833		21.9	43.1	5.3	5.2	5.2	5.3	5.3	11.00	
2010-08-25	12:11:29	201.9	0.00	0.00	11.69	827		21.9	43.0	5.3	5.1	5.2	5.3	5.3	11.00	
2010-08-25	12:11:58	202.2	0.00	0.00	11.69	829		21.9	43.0	5.3	5.2	5.2	5.3	5.3	11.00	
2010-08-25	12:12:29	201.2	0.00	0.00	11.69	826		21.8	42.7	5.3	5.1	5.2	5.3	5.3	11.00	
2010-08-25	12:12:59	201.4	0.00	0.00	11.68	811		21.7	42.7	5.3	5.1	5.1	5.2	5.2	11.00	
2010-08-25	12:13:29	202.5	0.00	0.00	11.55	813		21.7	42.6	5.3	5.1	5.1	5.2	5.2	11.00	
2010-08-25	12:13:59	202.2	0.00	0.00	11.55	815		21.7	42.6	5.3	5.1	5.1	5.2	5.2	11.00	
2010-08-25	12:14:29	202.9	0.00	0.00	11.55	818		21.7	42.6	5.3	5.1	5.1	5.3	5.3	11.00	
2010-08-25	12:14:59	201.8	0.00	0.00	11.55	799		21.5	42.6	5.2	5.1	5.1	5.2	5.2	11.00	
2010-08-25	12:15:29	202.2	0.00	0.00	11.34	801		21.5	42.6	5.2	5.1	5.1	5.2	5.2	11.00	
2010-08-25	12:15:59	202.1	0.00	0.00	11.34	801		21.5	42.6	5.2	5.1	5.1	5.2	5.2	11.00	
2010-08-25	12:16:29	201.9	0.00	0.00	11.33	800		21.5	42.7	5.2	5.1	5.1	5.2	5.2	11.00	
2010-08-25	12:16:59	202.1	0.00	0.00	11.34	791		21.4	42.7	5.2	5.0	5.1	5.2	5.2	11.00	
2010-08-25	12:17:29	201.7	0.00	0.00	11.09	788		21.4	42.7	5.2	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:17:59	202.1	0.00	0.00	11.09	790		21.4	42.7	5.2	5.0	5.1	5.2	5.2	11.00	
2010-08-25	12:18:29	201.7	0.00	0.00	11.09	788		21.4	42.6	5.2	5.0	5.1	5.2	5.2	11.00	
2010-08-25	12:18:59	201.4	0.00	0.00	11.08	781		21.3	42.6	5.2	5.0	5.0	5.1	5.1	11.00	
2010-08-25	12:19:29	200.6	0.00	0.00	11.25	776		21.2	42.6	5.2	5.0	5.0	5.1	5.1	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eny	one	10.08.25
Witnessed by	KOMEDIC	06402	2010.08.25

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-08-25	12:19:59	200.5	0.00	0.00	11.26	777	21.2	42.5	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:20:29	201.3	0.00	0.00	11.25	780	21.3	42.4	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:20:59	201.6	0.00	0.00	11.25	776	21.2	42.3	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:21:29	201.0	0.00	0.00	11.26	774	21.2	42.4	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:21:59	202.1	0.00	0.00	11.13	777	21.2	42.3	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:22:29	201.5	0.00	0.00	11.13	776	21.2	42.2	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:22:59	202.1	0.00	0.00	11.13	772	21.2	42.2	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:23:29	201.4	0.00	0.00	11.13	772	21.2	42.0	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:23:59	200.6	0.00	0.00	10.82	769	21.1	42.0	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:24:29	201.7	0.00	0.00	10.82	773	21.2	42.0	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:24:59	201.6	0.00	0.00	10.81	772	21.2	41.9	5.2	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:25:29	201.1	0.00	0.00	10.81	767	21.1	42.0	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:25:59	201.2	0.00	0.00	10.68	768	21.1	41.9	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:26:29	201.4	0.00	0.00	10.68	767	21.1	41.9	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:26:59	201.4	0.00	0.00	10.68	768	21.1	41.9	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:27:29	201.1	0.00	0.00	10.68	764	21.1	41.7	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:27:59	200.5	0.00	0.00	10.58	766	21.1	41.6	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:28:29	201.0	0.00	0.00	10.58	766	21.1	41.4	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:28:59	200.6	0.00	0.00	10.57	765	21.1	41.3	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:29:29	200.7	0.00	0.00	10.57	764	21.1	41.2	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:29:59	200.5	0.00	0.00	10.87	764	21.1	41.0	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:30:29	200.4	0.00	0.00	10.87	764	21.1	41.0	5.1	5.0	5.0	5.1	5.1	5.1	11.00	
2010-08-25	12:30:59	62.6	0.00	0.00	10.86	533	18.2	40.6	4.5	4.3	4.3	4.4			11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	oneo	10.08.25
Witnessed by	KOMERZ	06.09.2010	2010.08.25

100830 "AquaStar" Neutralization 7th-deballasting

Date	Time	Main Flow	TRO3_read	TRO3_Target	(1/4)
2010-08-30	13:03:06	28.6	6.17	0.10	
2010-08-30	13:03:35	198.6	5.41	0.10	
2010-08-30	13:04:05	200.1	5.41	0.10	
2010-08-30	13:04:35	202.2	5.41	0.10	
2010-08-30	13:05:05	203.0	0.00	0.10	
2010-08-30	13:05:35	202.5	0.00	0.10	
2010-08-30	13:06:05	202.6	0.00	0.10	
2010-08-30	13:06:35	203.6	0.00	0.10	
2010-08-30	13:07:05	203.0	0.00	0.10	
2010-08-30	13:07:35	203.3	0.00	0.10	
2010-08-30	13:08:05	203.1	0.00	0.10	
2010-08-30	13:08:35	202.7	0.00	0.10	
2010-08-30	13:09:05	202.4	0.00	0.10	
2010-08-30	13:09:35	202.2	0.00	0.10	
2010-08-30	13:10:05	202.6	0.00	0.10	
2010-08-30	13:10:35	202.4	0.03	0.10	
2010-08-30	13:11:05	202.1	0.03	0.10	
2010-08-30	13:11:35	202.4	0.03	0.10	
2010-08-30	13:12:05	202.1	0.03	0.10	
2010-08-30	13:12:35	201.4	0.01	0.10	
2010-08-30	13:13:05	201.7	0.01	0.10	
2010-08-30	13:13:35	200.7	0.01	0.10	
2010-08-30	13:14:05	208.7	0.01	0.10	
2010-08-30	13:14:35	208.8	0.02	0.10	
2010-08-30	13:15:05	208.6	0.02	0.10	
2010-08-30	13:15:35	209.4	0.02	0.10	
2010-08-30	13:16:05	214.8	0.02	0.10	
2010-08-30	13:16:35	215.0	0.03	0.10	
2010-08-30	13:17:05	204.7	0.03	0.10	
2010-08-30	13:17:35	204.6	0.03	0.10	
2010-08-30	13:18:05	204.5	0.03	0.10	
2010-08-30	13:18:35	203.9	0.01	0.10	
2010-08-30	13:19:05	203.8	0.01	0.10	
2010-08-30	13:19:35	204.7	0.01	0.10	
2010-08-30	13:20:05	204.2	0.02	0.10	
2010-08-30	13:20:35	203.8	0.02	0.10	

	Organization	Personnel	Date
Approved by	AQUA Eng	one 03	10.08.30
Witnessed by	KOMERZ	Ob.스원	2010.08.30

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-08-30	13:21:05	208.6	0.02	0.10
2010-08-30	13:21:35	203.8	0.00	0.10
2010-08-30	13:22:05	203.4	0.00	0.10
2010-08-30	13:22:35	199.5	0.00	0.10
2010-08-30	13:23:05	199.8	0.00	0.10
2010-08-30	13:23:35	201.3	0.01	0.10
2010-08-30	13:24:05	202.5	0.01	0.10
2010-08-30	13:24:35	202.0	0.01	0.10
2010-08-30	13:25:05	201.4	0.01	0.10
2010-08-30	13:25:35	201.4	0.02	0.10
2010-08-30	13:26:05	202.0	0.02	0.10
2010-08-30	13:26:35	202.3	0.02	0.10
2010-08-30	13:27:05	202.3	0.02	0.10
2010-08-30	13:27:35	205.1	0.00	0.10
2010-08-30	13:28:05	204.6	0.00	0.10
2010-08-30	13:28:35	203.4	0.00	0.10
2010-08-30	13:29:05	203.3	0.00	0.10
2010-08-30	13:29:35	203.7	0.02	0.10
2010-08-30	13:30:05	203.0	0.01	0.10
2010-08-30	13:30:35	203.2	0.01	0.10
2010-08-30	13:31:05	202.0	0.01	0.10
2010-08-30	13:31:35	202.1	0.01	0.10
2010-08-30	13:32:05	201.0	0.01	0.10
2010-08-30	13:32:35	201.5	0.01	0.10
2010-08-30	13:33:05	201.2	0.01	0.10
2010-08-30	13:33:35	200.6	0.02	0.10
2010-08-30	13:34:05	200.4	0.01	0.10
2010-08-30	13:34:35	199.8	0.01	0.10
2010-08-30	13:35:05	199.6	0.01	0.10
2010-08-30	13:35:35	197.5	0.00	0.10
2010-08-30	13:36:05	198.1	0.00	0.10
2010-08-30	13:36:35	198.6	0.00	0.10
2010-08-30	13:37:05	198.5	0.00	0.10
2010-08-30	13:37:35	198.1	0.01	0.10
2010-08-30	13:38:05	199.4	0.01	0.10
2010-08-30	13:38:35	198.8	0.01	0.10
2010-08-30	13:39:05	198.2	0.01	0.10
2010-08-30	13:39:35	199.6	0.00	0.10

	Organization	Personnel	Date
Approved by	AQUA Eny	JKR	10.08.20
Witnessed by	KOMERZ	EGE	2010.08.30

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-08-30	13:40:05	203.8	0.00	0.10
2010-08-30	13:40:35	204.1	0.00	0.10
2010-08-30	13:41:05	203.9	0.01	0.10
2010-08-30	13:41:35	203.0	0.01	0.10
2010-08-30	13:42:05	203.7	0.01	0.10
2010-08-30	13:42:35	203.5	0.00	0.10
2010-08-30	13:43:05	203.3	0.00	0.10
2010-08-30	13:43:35	203.7	0.00	0.10
2010-08-30	13:44:05	202.8	0.00	0.10
2010-08-30	13:44:35	205.7	0.02	0.10
2010-08-30	13:45:05	205.4	0.02	0.10
2010-08-30	13:45:35	204.8	0.02	0.10
2010-08-30	13:46:05	211.1	0.02	0.10
2010-08-30	13:46:35	211.0	0.00	0.10
2010-08-30	13:47:05	210.3	0.00	0.10
2010-08-30	13:47:35	210.4	0.00	0.10
2010-08-30	13:48:05	211.0	0.00	0.10
2010-08-30	13:48:35	210.5	0.01	0.10
2010-08-30	13:49:05	210.6	0.01	0.10
2010-08-30	13:49:35	210.2	0.01	0.10
2010-08-30	13:50:05	209.8	0.01	0.10
2010-08-30	13:50:35	209.8	0.00	0.10
2010-08-30	13:51:05	210.1	0.00	0.10
2010-08-30	13:51:35	209.8	0.00	0.10
2010-08-30	13:52:05	209.6	0.00	0.10
2010-08-30	13:52:35	208.6	0.02	0.10
2010-08-30	13:53:05	206.4	0.02	0.10
2010-08-30	13:53:35	206.5	0.02	0.10
2010-08-30	13:54:05	206.1	0.02	0.10
2010-08-30	13:54:35	206.4	0.03	0.10
2010-08-30	13:55:05	205.8	0.03	0.10
2010-08-30	13:55:35	205.2	0.03	0.10
2010-08-30	13:56:05	205.8	0.01	0.10
2010-08-30	13:56:35	204.7	0.01	0.10
2010-08-30	13:57:05	205.3	0.01	0.10
2010-08-30	13:57:35	205.4	0.01	0.10
2010-08-30	13:58:05	204.9	0.00	0.10
2010-08-30	13:58:35	204.4	0.00	0.10

	Organization	Personnel	Date
Approved by	AQQA Eng	one	20.08.10
Witnessed by	KOMERZ	06-수연	2010.08.20

Date	Time	Main Flow	TRO3_read	TRO3_Target	(4/4)
2010-08-30	13:59:05	204.6	0.00	0.10	
2010-08-30	13:59:35	204.0	0.01	0.10	
2010-08-30	14:00:05	204.8	0.01	0.10	
2010-08-30	14:00:35	204.2	0.01	0.10	
2010-08-30	14:01:05	203.9	0.01	0.10	
2010-08-30	14:01:35	204.2	0.00	0.10	
2010-08-30	14:02:05	203.7	0.00	0.10	
2010-08-30	14:02:35	39.2	0.00	0.10	

	Organization	Personnel	Date
Approved by	AQUA Eng	04502	10.08.2010
Witnessed by	KOMEDZ	04502	2010.08.30

100909 "AquaStar" Electrolysis 8th-ballasting

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-09	11:00:22	40.5	0.00	0.00	0.00	7	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	11.00	
2010-09-09	11:00:51	190.2	0.00	0.00	0.00	692	19.0	25.0	4.8	4.6	4.4	4.5	4.5	4.5	11.00	
2010-09-09	11:01:21	187.7	0.00	0.00	0.00	677	18.9	25.0	4.7	4.5	4.4	4.5	4.5	4.5	11.00	
2010-09-09	11:01:51	204.0	0.00	0.00	0.00	740	19.7	25.1	4.9	4.7	4.6	4.7	4.7	4.7	11.00	
2010-09-09	11:02:21	203.9	0.00	0.00	0.00	739	19.8	25.1	4.9	4.7	4.6	4.7	4.7	4.7	11.00	
2010-09-09	11:02:51	203.6	0.00	0.00	0.00	742	19.9	25.1	4.9	4.7	4.7	4.7	4.7	4.7	11.00	
2010-09-09	11:03:21	203.1	0.00	0.00	0.00	738	19.9	25.3	4.9	4.7	4.7	4.7	4.7	4.7	11.00	
2010-09-09	11:03:51	203.8	0.00	0.00	0.00	741	19.9	25.3	4.9	4.7	4.7	4.7	4.8	4.8	11.00	
2010-09-09	11:04:21	203.1	0.00	0.00	9.05	739	20.0	25.4	4.9	4.7	4.7	4.7	4.8	4.8	11.00	
2010-09-09	11:04:51	201.6	0.00	0.00	9.05	735	19.9	25.7	4.9	4.7	4.7	4.8	4.8	4.8	11.00	
2010-09-09	11:05:21	205.8	0.00	0.00	9.05	749	20.2	25.8	5.0	4.8	4.7	4.8	4.8	4.8	11.00	
2010-09-09	11:05:51	204.6	0.00	0.00	9.05	776	20.5	26.1	5.1	4.9	4.8	4.9	4.9	4.9	11.00	
2010-09-09	11:06:21	205.0	0.00	0.00	9.34	776	20.6	26.3	5.1	4.9	4.8	4.9	4.9	4.9	11.00	
2010-09-09	11:06:51	204.4	0.00	0.00	9.34	775	20.6	26.4	5.1	4.9	4.8	4.9	4.9	4.9	11.00	
2010-09-09	11:07:21	204.4	0.00	0.00	9.34	776	20.6	26.7	5.1	4.9	4.8	4.9	4.9	4.9	11.00	
2010-09-09	11:07:51	203.8	0.00	0.00	9.34	800	20.9	27.0	5.1	5.0	4.9	5.0	5.0	5.0	11.00	
2010-09-09	11:08:21	204.0	0.00	0.00	9.78	800	21.0	27.2	5.2	5.0	4.9	5.0	5.0	5.0	11.00	
2010-09-09	11:08:51	203.5	0.00	0.00	9.78	798	21.0	27.4	5.1	5.0	4.9	5.0	5.0	5.0	11.00	
2010-09-09	11:09:21	205.2	0.00	0.00	9.78	806	21.1	27.7	5.2	5.0	5.0	5.0	5.0	5.0	11.00	
2010-09-09	11:09:51	205.6	0.00	0.00	9.78	834	21.5	28.1	5.3	5.1	5.1	5.1	5.1	5.1	11.00	
2010-09-09	11:10:21	204.0	0.00	0.00	10.10	825	21.4	28.3	5.2	5.1	5.0	5.1	5.1	5.1	11.00	
2010-09-09	11:10:51	205.3	0.00	0.00	10.10	830	21.4	28.6	5.3	5.1	5.1	5.1	5.1	5.1	11.00	
2010-09-09	11:11:21	204.6	0.00	0.00	10.10	829	21.4	29.0	5.3	5.1	5.1	5.1	5.1	5.1	11.00	

	Organization	Personnel	Date
Approved by	Aqua Eng	11/10/2010	10.9.9
Witnessed by	KOMERZ	06.10.10	2010.09.09

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-09	11:11:51	204.7	0.00	0.00	10.10	851	21.8	29.2	5.3	5.1	5.1	5.2	5.2	11.00		
2010-09-09	11:12:21	204.8	0.00	0.00	10.17	851	21.8	29.6	5.3	5.1	5.1	5.2	5.2	11.00		
2010-09-09	11:12:51	203.7	0.00	0.00	10.17	847	21.7	29.8	5.3	5.1	5.1	5.2	5.2	11.00		
2010-09-09	11:13:21	205.2	0.00	0.00	10.17	854	21.8	30.2	5.4	5.2	5.1	5.2	5.2	11.00		
2010-09-09	11:13:51	205.7	0.00	0.00	10.17	875	22.1	30.4	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:14:21	206.2	0.00	0.00	10.26	877	22.2	30.7	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:14:51	205.0	0.00	0.00	10.25	877	22.2	31.0	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:15:21	205.3	0.00	0.00	10.25	875	22.1	31.4	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:15:51	204.5	0.00	0.00	10.25	887	22.3	31.7	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:16:21	204.8	0.00	0.00	10.25	890	22.4	32.1	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:16:51	204.8	0.00	0.00	10.46	889	22.3	32.4	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:17:21	203.9	0.00	0.00	10.46	888	22.3	32.7	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:17:51	203.6	0.00	0.00	10.46	901	22.5	33.0	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:18:21	202.9	0.00	0.00	10.46	898	22.5	33.4	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:18:51	203.3	0.00	0.00	10.51	897	22.5	33.7	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:19:21	203.2	0.00	0.00	10.51	897	22.5	34.0	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:19:51	204.0	0.00	0.00	10.51	910	22.7	34.3	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:20:21	202.9	0.00	0.00	10.51	908	22.6	34.6	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:20:51	202.9	0.00	0.00	10.70	905	22.6	34.9	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:21:21	203.6	0.00	0.00	10.70	910	22.7	35.2	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:21:51	203.0	0.00	0.00	10.70	916	22.7	35.4	5.6	5.4	5.4	5.5	5.5	11.00		
2010-09-09	11:22:21	203.1	0.00	0.00	10.70	917	22.8	35.7	5.6	5.4	5.4	5.5	5.5	11.00		
2010-09-09	11:22:51	203.0	0.00	0.00	10.56	917	22.8	36.0	5.6	5.4	5.4	5.5	5.5	11.00		
2010-09-09	11:23:21	203.2	0.00	0.00	10.56	914	22.7	36.3	5.6	5.4	5.4	5.5	5.5	11.00		

	Organization	Personnel	Date
Approved by	AQUA Eng	1/30/2011	10.9.9
Witnessed by	KOMERZ	06.07.2011	2010.09.09

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow. Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-09	11:23:51	202.6	0.00	0.00	10.56	922	22.8	36.4	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:24:21	202.2	0.00	0.00	10.56	918	22.8	36.6	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:24:51	202.2	0.00	0.00	10.85	920	22.8	36.9	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:25:21	201.3	0.00	0.00	10.85	916	22.8	37.2	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:25:51	202.8	0.00	0.00	10.84	925	22.9	37.5	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:26:21	202.6	0.00	0.00	10.85	922	22.8	37.7	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:26:51	203.1	0.00	0.00	10.84	923	22.9	38.0	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:27:21	202.8	0.00	0.00	10.85	922	22.9	38.3	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:27:51	202.5	0.00	0.00	10.84	923	22.9	38.4	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:28:21	202.9	0.00	0.00	10.85	922	22.9	38.7	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:28:51	203.0	0.00	0.00	10.85	923	22.9	38.9	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:29:21	202.4	0.00	0.00	11.31	920	22.8	39.2	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:29:51	202.2	0.00	0.00	11.30	919	22.8	39.4	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:30:21	201.4	0.00	0.00	11.30	917	22.8	39.6	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:30:51	203.6	0.00	0.00	11.30	924	22.9	39.9	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:31:21	202.8	0.00	0.00	11.76	922	22.9	40.1	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:31:51	202.7	0.00	0.00	11.76	922	22.9	40.4	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:32:21	202.7	0.00	0.00	11.76	923	22.9	40.6	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:32:51	202.4	0.00	0.00	11.76	919	22.8	40.8	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:33:21	202.4	0.00	0.00	11.88	919	22.8	40.9	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:33:51	202.2	0.00	0.00	11.88	920	22.9	41.0	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:34:21	202.1	0.00	0.00	11.88	916	22.8	41.2	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:34:51	202.1	0.00	0.00	11.88	919	22.8	41.4	5.6	5.4	5.4	5.5	5.5	11.00	
2010-09-09	11:35:21	202.8	0.00	0.00	11.93	920	22.9	41.5	5.6	5.4	5.4	5.5	5.5	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	3/36/02	10.9.9
Witnessed by	KOMERZ	06/02	2010.09.09

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-09	11:35:51	202.3	0.00	0.00	11.93	911	22.7	41.7	5.6	5.3	5.4	5.5	5.5	11.00		
2010-09-09	11:36:21	201.7	0.00	0.00	11.93	907	22.7	41.8	5.5	5.3	5.4	5.5	5.5	11.00		
2010-09-09	11:36:51	201.2	0.00	0.00	11.93	908	22.7	42.0	5.5	5.3	5.4	5.5	5.5	11.00		
2010-09-09	11:37:21	202.4	0.00	0.00	11.93	910	22.7	42.2	5.6	5.3	5.4	5.5	5.5	11.00		
2010-09-09	11:37:51	202.1	0.00	0.00	11.91	898	22.6	42.4	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:38:21	201.2	0.00	0.00	11.91	896	22.6	42.5	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:38:51	201.0	0.00	0.00	11.91	895	22.5	42.6	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:39:21	201.3	0.00	0.00	11.91	895	22.5	42.7	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:39:51	201.6	0.00	0.00	11.36	881	22.4	42.8	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:40:21	200.9	0.00	0.00	11.36	880	22.4	42.9	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:40:51	200.5	0.00	0.00	11.36	880	22.4	43.1	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:41:21	201.2	0.00	0.00	11.36	881	22.4	43.2	5.5	5.3	5.3	5.4	5.4	11.00		
2010-09-09	11:41:51	200.3	0.00	0.00	10.95	865	22.2	43.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:42:21	201.1	0.00	0.00	10.94	868	22.2	43.3	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:42:51	201.7	0.00	0.00	10.95	870	22.2	43.4	5.4	5.2	5.3	5.4	5.4	11.00		
2010-09-09	11:43:21	201.4	0.00	0.00	10.95	869	22.2	43.5	5.4	5.2	5.2	5.4	5.4	11.00		
2010-09-09	11:43:51	200.5	0.00	0.00	11.03	858	22.1	43.5	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:44:21	200.6	0.00	0.00	11.02	856	22.1	43.7	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:44:51	200.8	0.00	0.00	11.02	859	22.1	43.7	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:45:21	201.4	0.00	0.00	11.02	860	22.1	43.7	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:45:51	201.3	0.00	0.00	11.32	858	22.1	43.8	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:46:21	202.0	0.00	0.00	11.33	861	22.1	43.8	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:46:51	201.5	0.00	0.00	11.33	859	22.1	43.9	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	11:47:21	201.1	0.00	0.00	11.33	859	22.1	43.9	5.4	5.2	5.2	5.3	5.3	11.00		

	Organization	Personnel	Date
Approved by	ADVA Eng	김경일	10. 9. 9
Witnessed by	KOMERZ	045701	2010.09.09

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow. Amp	Pow. Volt	Pow. Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-09	11:47:51	201.0	0.00	0.00	11.32	859	22.1	43.9	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:48:21	202.3	0.00	0.00	10.58	860	22.1	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:48:51	201.4	0.00	0.00	10.57	859	22.1	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:49:21	200.7	0.00	0.00	10.57	857	22.1	44.1	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:49:51	201.6	0.00	0.00	10.57	859	22.1	44.1	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:50:21	200.9	0.00	0.00	10.85	856	22.1	44.1	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:50:51	201.3	0.00	0.00	10.84	856	22.1	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:51:21	200.4	0.00	0.00	10.84	855	22.1	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:51:51	201.0	0.00	0.00	10.84	856	22.1	44.1	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:52:21	199.8	0.00	0.00	11.16	851	22.0	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:52:51	200.1	0.00	0.00	11.16	853	22.0	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:53:21	200.3	0.00	0.00	11.16	853	22.0	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:53:51	199.7	0.00	0.00	11.16	851	22.0	44.0	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:54:21	200.4	0.00	0.00	11.07	854	22.1	44.1	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:54:51	200.0	0.00	0.00	11.07	853	22.0	44.1	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:55:21	199.7	0.00	0.00	11.07	849	22.0	44.2	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:55:51	198.9	0.00	0.00	11.06	849	22.0	44.3	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:56:21	199.4	0.00	0.00	11.08	850	22.0	44.3	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:56:51	199.2	0.00	0.00	11.08	848	22.0	44.2	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:57:21	198.7	0.00	0.00	11.07	848	22.0	44.3	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:57:51	199.1	0.00	0.00	11.07	849	22.0	44.3	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:58:21	198.9	0.00	0.00	11.07	847	22.0	44.3	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:58:51	198.8	0.00	0.00	11.07	846	22.0	44.2	5.4	5.2	5.2	5.3	11.00
2010-09-09	11:59:21	198.5	0.00	0.00	11.06	846	22.0	44.2	5.4	5.2	5.2	5.3	11.00

	Organization	Personnel	Date
Approved by	Aqua Eng	김성일	10. 9. 9
Witnessed by	KOMPEC	06592	2010.09.09

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-09	11:59:51	199.1	0.00	0.00	11.06	850	22.0	44.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:00:21	199.4	0.00	0.00	11.06	849	22.0	44.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:00:51	198.6	0.00	0.00	10.42	847	22.0	44.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:01:21	198.6	0.00	0.00	10.42	847	22.0	44.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:01:51	198.6	0.00	0.00	10.42	845	22.0	44.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:02:21	197.7	0.00	0.00	10.42	843	21.9	44.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:02:51	199.3	0.00	0.00	11.07	845	22.0	44.2	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:03:21	197.7	0.00	0.00	11.07	841	21.9	44.3	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:03:51	197.8	0.00	0.00	11.07	844	22.0	44.3	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:04:21	197.5	0.00	0.00	11.06	840	21.9	44.3	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:04:51	197.3	0.00	0.00	11.02	842	21.9	44.3	5.4	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:05:21	197.1	0.00	0.00	11.02	841	21.9	44.3	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:05:51	196.6	0.00	0.00	11.02	838	21.9	44.3	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:06:21	197.0	0.00	0.00	11.01	839	21.9	44.3	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:06:51	196.9	0.00	0.00	10.92	840	21.9	44.3	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:07:21	197.0	0.00	0.00	10.92	840	21.9	44.4	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:07:51	197.1	0.00	0.00	10.92	838	21.9	44.5	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:08:21	196.4	0.00	0.00	10.92	836	21.9	44.5	5.3	5.2	5.2	5.3	5.3	11.00		
2010-09-09	12:08:51	195.1	0.00	0.00	11.30	832	21.8	44.5	5.3	5.1	5.2	5.3	5.3	11.00		
2010-09-09	12:09:21	184.0	0.00	0.00	11.30	812	21.7	44.5	5.3	5.1	5.2	5.2	5.2	11.00		

	Organization	Personnel	Date
Approved by	AQUA Eng	21.9.01 S. Böhr	10. 9. 9
Witnessed by	KOMERZ	C6503 2010.09.09	

100914 "AquaStar" Neutralization 8th-deballasting

Date	Time	Main Flow	TRO3_read	TRO3_Target	(1/4)
2010-09-14	13:15:18	40.8	3.23	0.10	
2010-09-14	13:15:47	175.2	3.23	0.10	
2010-09-14	13:16:17	175.3	3.23	0.10	
2010-09-14	13:16:47	174.8	3.23	0.10	
2010-09-14	13:17:17	206.6	3.22	0.10	
2010-09-14	13:17:47	214.3	3.23	0.10	
2010-09-14	13:18:17	210.1	3.23	0.10	
2010-09-14	13:18:47	200.9	3.23	0.10	
2010-09-14	13:19:17	204.4	3.23	0.10	
2010-09-14	13:19:47	200.4	3.23	0.10	
2010-09-14	13:20:17	202.9	0.38	0.10	
2010-09-14	13:20:47	202.4	0.38	0.10	
2010-09-14	13:21:17	201.1	0.38	0.10	
2010-09-14	13:21:47	200.6	0.00	0.10	
2010-09-14	13:22:17	200.5	0.00	0.10	
2010-09-14	13:22:47	201.9	0.00	0.10	
2010-09-14	13:23:17	199.8	0.00	0.10	
2010-09-14	13:23:47	198.3	0.00	0.10	
2010-09-14	13:24:17	200.4	0.00	0.10	
2010-09-14	13:24:47	200.8	0.00	0.10	
2010-09-14	13:25:17	199.5	0.00	0.10	
2010-09-14	13:25:47	199.7	0.00	0.10	
2010-09-14	13:26:17	201.3	0.00	0.10	
2010-09-14	13:26:47	206.4	0.00	0.10	
2010-09-14	13:27:17	206.9	0.00	0.10	
2010-09-14	13:27:47	206.4	0.00	0.10	
2010-09-14	13:28:17	206.0	0.00	0.10	
2010-09-14	13:28:47	205.9	0.00	0.10	
2010-09-14	13:29:17	205.2	0.00	0.10	
2010-09-14	13:29:47	204.1	0.00	0.10	
2010-09-14	13:30:17	205.0	0.00	0.10	
2010-09-14	13:30:47	204.3	0.00	0.10	
2010-09-14	13:31:17	205.0	0.00	0.10	
2010-09-14	13:31:47	203.8	0.00	0.10	
2010-09-14	13:32:17	204.7	0.00	0.10	
2010-09-14	13:32:47	204.4	0.00	0.10	

	Organization	Personnel	Date
Approved by	AQUA Eng	김성호	10. 9. 14
Witnessed by	KOMERZ	06.5.09	2010.09.14

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Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-09-14	13:33:17	201.5	0.00	0.10
2010-09-14	13:33:47	202.2	0.00	0.10
2010-09-14	13:34:17	201.8	0.00	0.10
2010-09-14	13:34:47	202.2	0.00	0.10
2010-09-14	13:35:17	204.8	0.00	0.10
2010-09-14	13:35:47	204.8	0.00	0.10
2010-09-14	13:36:17	203.8	0.00	0.10
2010-09-14	13:36:47	204.2	0.00	0.10
2010-09-14	13:37:17	204.1	0.00	0.10
2010-09-14	13:37:47	203.8	0.00	0.10
2010-09-14	13:38:17	203.2	0.00	0.10
2010-09-14	13:38:47	204.8	0.00	0.10
2010-09-14	13:39:17	205.1	0.00	0.10
2010-09-14	13:39:47	205.1	0.00	0.10
2010-09-14	13:40:17	205.3	0.00	0.10
2010-09-14	13:40:47	205.2	0.00	0.10
2010-09-14	13:41:17	204.7	0.00	0.10
2010-09-14	13:41:47	204.8	0.00	0.10
2010-09-14	13:42:17	205.3	0.00	0.10
2010-09-14	13:42:47	205.0	0.00	0.10
2010-09-14	13:43:17	204.9	0.00	0.10
2010-09-14	13:43:47	204.5	0.00	0.10
2010-09-14	13:44:17	204.2	0.00	0.10
2010-09-14	13:44:47	204.0	0.00	0.10
2010-09-14	13:45:17	204.6	0.00	0.10
2010-09-14	13:45:47	203.7	0.00	0.10
2010-09-14	13:46:17	204.2	0.00	0.10
2010-09-14	13:46:47	203.3	0.00	0.10
2010-09-14	13:47:17	201.1	0.00	0.10
2010-09-14	13:47:47	203.1	0.00	0.10
2010-09-14	13:48:17	201.8	0.00	0.10
2010-09-14	13:48:47	202.7	0.00	0.10
2010-09-14	13:49:17	202.3	0.00	0.10
2010-09-14	13:49:47	203.0	0.00	0.10
2010-09-14	13:50:17	203.0	0.00	0.10
2010-09-14	13:50:47	202.8	0.00	0.10
2010-09-14	13:51:17	202.4	0.00	0.10
2010-09-14	13:51:47	201.8	0.00	0.10

	Organization	Personnel	Date
Approved by	AQA Eng	71.78.01	10.9.14
Witnessed by	KOMERZ	06.5.02	2010.09.14

Date	Time	Main Flow	TRO3_read	TRO3_Target	(3/4)
2010-09-14	13:52:17	201.9	0.00	0.10	
2010-09-14	13:52:47	202.2	0.00	0.10	
2010-09-14	13:53:17	203.7	0.00	0.10	
2010-09-14	13:53:47	203.6	0.00	0.10	
2010-09-14	13:54:17	201.4	0.00	0.10	
2010-09-14	13:54:47	201.8	0.00	0.10	
2010-09-14	13:55:17	202.4	0.00	0.10	
2010-09-14	13:55:47	203.2	0.00	0.10	
2010-09-14	13:56:17	202.5	0.00	0.10	
2010-09-14	13:56:47	202.5	0.00	0.10	
2010-09-14	13:57:17	202.2	0.00	0.10	
2010-09-14	13:57:47	202.7	0.00	0.10	
2010-09-14	13:58:17	202.1	0.00	0.10	
2010-09-14	13:58:47	204.5	0.00	0.10	
2010-09-14	13:59:17	203.5	0.00	0.10	
2010-09-14	13:59:47	203.3	0.00	0.10	
2010-09-14	14:00:17	203.6	0.00	0.10	
2010-09-14	14:00:47	203.7	0.00	0.10	
2010-09-14	14:01:17	202.7	0.00	0.10	
2010-09-14	14:01:47	203.0	0.00	0.10	
2010-09-14	14:02:17	202.9	0.00	0.10	
2010-09-14	14:02:47	202.7	0.00	0.10	
2010-09-14	14:03:17	202.0	0.00	0.10	
2010-09-14	14:03:47	202.6	0.00	0.10	
2010-09-14	14:04:17	202.4	0.00	0.10	
2010-09-14	14:04:47	202.2	0.00	0.10	
2010-09-14	14:05:17	202.5	0.00	0.10	
2010-09-14	14:05:47	202.0	0.00	0.10	
2010-09-14	14:06:17	201.8	0.00	0.10	
2010-09-14	14:06:47	201.1	0.00	0.10	
2010-09-14	14:07:17	199.5	0.00	0.10	
2010-09-14	14:07:47	200.5	0.00	0.10	
2010-09-14	14:08:17	199.5	0.00	0.10	
2010-09-14	14:08:47	199.7	0.00	0.10	
2010-09-14	14:09:17	199.4	0.00	0.10	
2010-09-14	14:09:47	199.7	0.00	0.10	
2010-09-14	14:10:17	199.1	0.00	0.10	
2010-09-14	14:10:47	198.6	0.00	0.10	

	Organization	Personnel	Date
Approved by	AQUA Eng	13802	10.9.14
Witnessed by	KOMERZ	OB 503	2010.09.14

Date	Time	Main Flow	TRO3_read	TRO3_Target
2010-09-14	14:11:17	198.7	0.00	0.10
2010-09-14	14:11:47	199.5	0.00	0.10
2010-09-14	14:12:17	200.7	0.00	0.10
2010-09-14	14:12:47	200.2	0.00	0.10
2010-09-14	14:13:17	199.7	0.00	0.10
2010-09-14	14:13:47	200.1	0.00	0.10
2010-09-14	14:14:17	200.0	0.00	0.10
2010-09-14	14:14:47	199.9	0.00	0.10
2010-09-14	14:15:17	199.8	0.00	0.10
2010-09-14	14:15:47	199.2	0.00	0.10
2010-09-14	14:16:17	178.3	0.00	0.10

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	Organization	Personnel	Date
Approved by	AQUA Eng	7/7/10	10.9.14
Witnessed by	KOMERZ	Ob. 5.02	2010.09.14

100915 "AquaStar" Electrolysis 9th-ballasting

(1/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-15	11:37:49	76.5	0.00	0.00	0.00	9	0.0	25.2	0.0	0.0	0.1	0.1	0.1	0.1	11.00	
2010-09-15	11:38:18	195.3	0.00	0.00	0.00	753	20.1	25.2	5.1	4.9	4.8	4.9	4.9	4.9	11.00	
2010-09-15	11:38:48	196.5	0.00	0.00	0.00	833	21.3	25.2	5.3	5.1	5.0	5.1	5.1	5.1	11.00	
2010-09-15	11:39:18	196.7	0.00	0.00	0.00	835	21.4	25.2	5.3	5.1	5.0	5.1	5.1	5.1	11.00	
2010-09-15	11:39:48	195.4	0.00	0.00	0.00	831	21.5	25.2	5.3	5.1	5.0	5.1	5.1	5.1	11.00	
2010-09-15	11:40:18	197.9	0.00	0.00	0.00	834	21.5	25.3	5.4	5.2	5.0	5.1	5.1	5.1	11.00	
2010-09-15	11:40:48	203.7	0.00	0.00	0.00	866	22.0	25.4	5.5	5.3	5.2	5.2	5.2	5.2	11.00	
2010-09-15	11:41:18	204.3	0.00	0.00	9.95	869	22.1	25.6	5.5	5.3	5.2	5.2	5.2	5.2	11.00	
2010-09-15	11:41:48	203.9	0.00	0.00	9.95	868	22.1	25.8	5.5	5.3	5.2	5.2	5.2	5.2	11.00	
2010-09-15	11:42:18	204.1	0.00	0.00	9.95	869	22.2	26.0	5.5	5.3	5.2	5.3	5.3	5.3	11.00	
2010-09-15	11:42:48	203.7	0.00	0.00	9.95	868	22.2	26.2	5.5	5.3	5.2	5.3	5.3	5.3	11.00	
2010-09-15	11:43:18	203.0	0.00	0.00	10.56	867	22.3	26.5	5.5	5.3	5.2	5.3	5.3	5.3	11.00	
2010-09-15	11:43:48	202.2	0.00	0.00	10.56	863	22.2	26.8	5.5	5.3	5.2	5.3	5.3	5.3	11.00	
2010-09-15	11:44:18	202.6	0.00	0.00	10.55	865	22.3	27.0	5.5	5.3	5.2	5.3	5.3	5.3	11.00	
2010-09-15	11:44:48	202.8	0.00	0.00	10.56	867	22.3	27.4	5.5	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	11:45:18	202.8	0.00	0.00	10.76	869	22.4	27.7	5.5	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	11:45:48	202.1	0.00	0.00	10.76	865	22.4	28.0	5.5	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	11:46:18	202.2	0.00	0.00	10.76	866	22.4	28.4	5.5	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	11:46:48	201.7	0.00	0.00	10.76	863	22.4	28.7	5.5	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	11:47:18	201.5	0.00	0.00	10.81	865	22.4	29.0	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	11:47:48	201.2	0.00	0.00	10.81	862	22.4	29.4	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	11:48:18	201.0	0.00	0.00	10.81	865	22.5	29.7	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	11:48:48	200.7	0.00	0.00	10.81	863	22.4	30.0	5.5	5.3	5.3	5.4	5.4	5.4	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	김재일	10. 9. 15
Witnessed by	KOHERI	박경운	10. 9. 15

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-15	11:49:18	203.7	0.00	0.00	11.27	876	22.6	30.4	5.6	5.4	5.3	5.4	5.4	5.4	11.00	
2010-09-15	11:49:48	204.5	0.00	0.00	11.27	880	22.7	30.7	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:50:18	203.7	0.00	0.00	11.27	876	22.6	31.1	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:50:48	203.2	0.00	0.00	11.27	875	22.7	31.5	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:51:18	203.3	0.00	0.00	11.01	877	22.7	31.8	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:51:48	203.2	0.00	0.00	11.01	875	22.7	32.1	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:52:18	203.6	0.00	0.00	11.01	876	22.7	32.4	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:52:48	203.2	0.00	0.00	11.01	876	22.7	32.7	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:53:18	203.0	0.00	0.00	11.01	875	22.7	33.0	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:53:48	203.2	0.00	0.00	11.18	877	22.7	33.4	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:54:18	202.0	0.00	0.00	11.18	873	22.7	33.6	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:54:48	203.0	0.00	0.00	11.18	876	22.7	34.0	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:55:18	202.5	0.00	0.00	11.18	874	22.7	34.3	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:55:48	202.1	0.00	0.00	11.68	872	22.7	34.5	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:56:18	202.2	0.00	0.00	11.68	872	22.7	34.8	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:56:48	202.0	0.00	0.00	11.68	872	22.7	35.1	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:57:18	201.6	0.00	0.00	11.68	869	22.6	35.3	5.6	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:57:48	201.7	0.00	0.00	11.68	872	22.7	35.5	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:58:18	201.2	0.00	0.00	11.68	870	22.6	35.8	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:58:48	201.4	0.00	0.00	11.68	869	22.6	36.0	5.6	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:59:18	201.5	0.00	0.00	11.68	869	22.6	36.2	5.6	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	11:59:48	201.7	0.00	0.00	10.91	868	22.6	36.5	5.6	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:00:18	201.0	0.00	0.00	10.91	865	22.6	36.7	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:00:48	202.5	0.00	0.00	10.91	872	22.7	36.9	5.6	5.4	5.4	5.4	5.4	5.4	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	김경일	10.9.15
Witnessed by	KOMERZ	박경운	10.9.15

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-15	12:01:18	201.7	0.00	0.00	10.91	870	22.6	37.1	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:01:48	202.1	0.00	0.00	11.60	871	22.7	37.3	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:02:18	203.6	0.00	0.00	11.60	875	22.7	37.5	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:02:48	202.4	0.00	0.00	11.60	874	22.7	37.7	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:03:18	202.4	0.00	0.00	11.60	870	22.7	37.8	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:03:48	202.5	0.00	0.00	11.60	871	22.7	38.1	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:04:18	202.0	0.00	0.00	11.60	869	22.6	38.2	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:04:48	202.6	0.00	0.00	11.60	871	22.7	38.4	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:05:18	201.9	0.00	0.00	11.60	868	22.6	38.7	5.6	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:05:48	202.0	0.00	0.00	11.60	868	22.6	38.8	5.6	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:06:18	202.0	0.00	0.00	11.50	868	22.6	39.0	5.6	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:06:48	202.3	0.00	0.00	11.49	869	22.6	39.1	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:07:18	201.4	0.00	0.00	11.50	865	22.6	39.2	5.5	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:07:48	202.5	0.00	0.00	11.49	868	22.6	39.3	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:08:18	201.8	0.00	0.00	11.65	864	22.6	39.5	5.5	5.3	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:08:48	202.9	0.00	0.00	11.65	869	22.7	39.6	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:09:18	202.7	0.00	0.00	11.65	867	22.6	39.8	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:09:48	203.0	0.00	0.00	11.65	867	22.6	40.0	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:10:18	202.9	0.00	0.00	11.18	867	22.6	40.1	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:10:48	202.7	0.00	0.00	11.18	868	22.7	40.3	5.6	5.4	5.4	5.4	5.4	5.4	11.00	
2010-09-15	12:11:18	201.9	0.00	0.00	11.18	863	22.6	40.4	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:11:48	201.9	0.00	0.00	11.18	862	22.6	40.5	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:12:18	202.1	0.00	0.00	11.65	863	22.6	40.6	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:12:48	201.7	0.00	0.00	11.65	863	22.6	40.7	5.5	5.3	5.3	5.4	5.4	5.4	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	김영호	10.9.15
Witnessed by	KOMERI	이재호	10.9.15

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-15	12:13:18	202.5	0.00	0.00	11.65	862	22.6	40.8	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:13:48	201.7	0.00	0.00	11.65	861	22.6	40.9	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:14:18	201.2	0.00	0.00	11.69	860	22.6	40.9	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:14:48	201.3	0.00	0.00	11.68	859	22.6	41.1	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:15:18	201.3	0.00	0.00	11.68	856	22.5	41.2	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:15:48	202.1	0.00	0.00	11.68	860	22.6	41.2	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:16:18	201.3	0.00	0.00	11.68	857	22.5	41.3	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:16:48	201.2	0.00	0.00	11.69	856	22.5	41.5	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:17:18	201.1	0.00	0.00	11.68	853	22.5	41.5	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:17:48	200.5	0.00	0.00	11.68	852	22.5	41.6	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:18:18	200.3	0.00	0.00	11.68	851	22.5	41.7	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:18:48	200.4	0.00	0.00	11.69	851	22.5	41.7	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:19:18	201.3	0.00	0.00	11.68	853	22.5	41.8	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:19:48	201.3	0.00	0.00	11.69	851	22.5	41.9	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:20:18	201.2	0.00	0.00	11.68	852	22.5	41.9	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:20:48	201.0	0.00	0.00	11.47	852	22.5	42.0	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:21:18	202.3	0.00	0.00	11.47	853	22.5	41.9	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:21:48	202.5	0.00	0.00	11.46	855	22.5	42.0	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:22:18	202.2	0.00	0.00	11.46	854	22.5	42.1	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:22:48	201.9	0.00	0.00	11.61	853	22.5	42.1	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:23:18	201.3	0.00	0.00	11.61	847	22.4	42.1	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:23:48	201.1	0.00	0.00	11.61	848	22.4	42.2	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:24:18	200.9	0.00	0.00	11.60	849	22.4	42.3	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:24:48	201.6	0.00	0.00	11.75	848	22.5	42.4	5.5	5.3	5.3	5.4	5.4	5.4	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	김재일	10. 9. 15
Witnessed by	KOMERI	김재일	10. 9. 15

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-15	12:25:18	201.2	0.00	0.00	11.74	843	22.4	42.4	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:25:48	202.1	0.00	0.00	11.74	849	22.5	42.5	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:26:18	200.8	0.00	0.00	11.75	842	22.4	42.5	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:26:48	201.6	0.00	0.00	11.63	846	22.4	42.6	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:27:18	201.4	0.00	0.00	11.57	841	22.4	42.5	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:27:48	201.1	0.00	0.00	11.57	841	22.4	42.6	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:28:18	200.9	0.00	0.00	11.57	840	22.3	42.6	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:28:48	200.5	0.00	0.00	11.57	838	22.3	42.6	5.5	5.3	5.3	5.4	5.4	5.4	11.00	
2010-09-15	12:29:18	200.6	0.00	0.00	11.74	834	22.3	42.7	5.4	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	12:29:48	200.3	0.00	0.00	11.74	833	22.3	42.7	5.4	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	12:30:18	199.8	0.00	0.00	11.74	831	22.2	42.7	5.4	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	12:30:48	200.1	0.00	0.00	11.73	830	22.2	42.7	5.4	5.3	5.3	5.3	5.3	5.3	11.00	
2010-09-15	12:31:18	199.7	0.00	0.00	11.85	823	22.1	42.7	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:31:48	199.7	0.00	0.00	11.85	825	22.2	42.8	5.4	5.2	5.3	5.3	5.3	5.3	11.00	
2010-09-15	12:32:18	200.0	0.00	0.00	11.85	826	22.2	42.7	5.4	5.2	5.3	5.3	5.3	5.3	11.00	
2010-09-15	12:32:48	199.2	0.00	0.00	11.85	823	22.1	42.7	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:33:18	199.6	0.00	0.00	11.64	819	22.1	42.7	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:33:48	199.3	0.00	0.00	11.65	816	22.0	42.8	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:34:18	199.2	0.00	0.00	11.65	818	22.1	42.8	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:34:48	199.4	0.00	0.00	11.64	816	22.0	42.8	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:35:18	199.4	0.00	0.00	11.49	811	22.0	42.8	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:35:48	198.8	0.00	0.00	11.49	811	22.0	42.8	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:36:18	198.6	0.00	0.00	11.49	807	21.9	42.8	5.4	5.2	5.2	5.3	5.3	5.3	11.00	
2010-09-15	12:36:48	199.0	0.00	0.00	11.49	809	22.0	42.8	5.4	5.2	5.2	5.3	5.3	5.3	11.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	김재원	10. 9. 15
Witnessed by	KOMERI	박경근	10. 9. 15

(6/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-15	12:37:18	198.5	0.00	0.00	11.69	801		21.9	42.8	5.3	5.2	5.2	5.3	5.3	11.00	
2010-09-15	12:37:48	198.5	0.00	0.00	11.69	803		21.9	42.9	5.3	5.2	5.2	5.3	5.3	11.00	
2010-09-15	12:38:18	197.8	0.00	0.00	11.68	802		21.9	42.8	5.3	5.2	5.2	5.3	5.3	11.00	
2010-09-15	12:38:48	198.1	0.00	0.00	11.68	801		21.9	42.9	5.3	5.2	5.2	5.3	5.3	11.00	
2010-09-15	12:39:18	197.6	0.00	0.00	11.68	794		21.8	42.9	5.3	5.1	5.2	5.2	5.2	11.00	
2010-09-15	12:39:48	198.5	0.00	0.00	11.55	798		21.8	42.8	5.3	5.2	5.2	5.2	5.2	11.00	
2010-09-15	12:40:18	197.0	0.00	0.00	11.54	791		21.7	42.8	5.3	5.1	5.2	5.2	5.2	11.00	
2010-09-15	12:40:48	197.4	0.00	0.00	11.54	794		21.8	42.8	5.3	5.2	5.2	5.2	5.2	11.00	
2010-09-15	12:41:18	197.3	0.00	0.00	11.55	789		21.7	42.9	5.3	5.1	5.1	5.2	5.2	11.00	
2010-09-15	12:41:48	197.7	0.00	0.00	11.56	789		21.7	42.8	5.3	5.1	5.1	5.2	5.2	11.00	
2010-09-15	12:42:18	197.0	0.00	0.00	11.56	786		21.7	42.8	5.3	5.1	5.1	5.2	5.2	11.00	
2010-09-15	12:42:48	196.3	0.00	0.00	11.56	785		21.6	42.8	5.3	5.1	5.1	5.2	5.2	11.00	
2010-09-15	12:43:18	196.4	0.00	0.00	11.55	782		21.6	42.7	5.3	5.1	5.1	5.2	5.2	11.00	
2010-09-15	12:43:48	182.3	0.00	0.00	11.59	748		21.3	42.7	5.2	5.0	5.1	5.1	5.1	11.00	

	Organization	Personnel	Date
Approved by	ADDA Eng	37%	10.9.15
Witnessed by	KOMERI	한국환경	10.9.15

100920 "AquaStar" Neutralization 9th-deballasting

Date	Time	Main Flow TRO3_read	TRO3_Target	(1/4)
2010-09-20	11:19:34	12.6	4.83	0.10
2010-09-20	11:20:03	187.7	4.83	0.10
2010-09-20	11:20:33	186.7	4.83	0.10
2010-09-20	11:21:03	191.3	4.83	0.10
2010-09-20	11:21:33	189.9	4.83	0.10
2010-09-20	11:22:03	204.7	0.00	0.10
2010-09-20	11:22:33	209.6	0.00	0.10
2010-09-20	11:23:03	203.1	0.00	0.10
2010-09-20	11:23:33	199.7	0.00	0.10
2010-09-20	11:24:03	200.1	0.00	0.10
2010-09-20	11:24:33	200.5	0.00	0.10
2010-09-20	11:25:03	199.2	0.00	0.10
2010-09-20	11:25:33	201.4	0.00	0.10
2010-09-20	11:26:03	199.3	0.02	0.10
2010-09-20	11:26:33	199.7	0.02	0.10
2010-09-20	11:27:03	200.4	0.02	0.10
2010-09-20	11:27:33	198.7	0.02	0.10
2010-09-20	11:28:03	199.0	0.00	0.10
2010-09-20	11:28:33	199.3	0.00	0.10
2010-09-20	11:29:03	198.6	0.00	0.10
2010-09-20	11:29:33	200.7	0.00	0.10
2010-09-20	11:30:03	209.4	0.00	0.10
2010-09-20	11:30:33	209.8	0.00	0.10
2010-09-20	11:31:03	210.1	0.00	0.10
2010-09-20	11:31:33	210.3	0.00	0.10
2010-09-20	11:32:03	210.2	0.00	0.10
2010-09-20	11:32:33	210.6	0.00	0.10
2010-09-20	11:33:03	209.7	0.00	0.10
2010-09-20	11:33:33	209.0	0.00	0.10
2010-09-20	11:34:03	208.6	0.00	0.10
2010-09-20	11:34:33	208.6	0.00	0.10
2010-09-20	11:35:03	208.5	0.02	0.10
2010-09-20	11:35:33	208.8	0.02	0.10
2010-09-20	11:36:03	209.1	0.02	0.10
2010-09-20	11:36:33	208.9	0.02	0.10

	Organization	Personnel	Date
Approved by	Aqua Star	10.9.10	10.9.10
Witnessed by	KOMERZ	10.9.10	

Date	Time	Main Flow TRO3_read	TRO3_Target
2010-09-20	11:37:03	207.7	0.02
2010-09-20	11:37:33	207.5	0.03
2010-09-20	11:38:03	206.3	0.03
2010-09-20	11:38:33	205.9	0.03
2010-09-20	11:39:03	205.8	0.03
2010-09-20	11:39:33	205.7	0.03
2010-09-20	11:40:03	206.0	0.00
2010-09-20	11:40:33	206.8	0.00
2010-09-20	11:41:03	207.3	0.00
2010-09-20	11:41:33	206.3	0.00
2010-09-20	11:42:03	207.3	0.03
2010-09-20	11:42:33	206.7	0.03
2010-09-20	11:43:03	206.7	0.02
2010-09-20	11:43:33	206.7	0.02
2010-09-20	11:44:03	206.0	0.03
2010-09-20	11:44:33	204.3	0.03
2010-09-20	11:45:03	204.6	0.02
2010-09-20	11:45:33	203.6	0.02
2010-09-20	11:46:03	204.7	0.02
2010-09-20	11:46:33	203.4	0.02
2010-09-20	11:47:03	204.1	0.02
2010-09-20	11:47:33	203.2	0.02
2010-09-20	11:48:03	203.7	0.02
2010-09-20	11:48:33	202.8	0.02
2010-09-20	11:49:03	203.1	0.02
2010-09-20	11:49:33	201.5	0.02
2010-09-20	11:50:03	202.3	0.02
2010-09-20	11:50:33	201.6	0.00
2010-09-20	11:51:03	201.8	0.00
2010-09-20	11:51:33	202.1	0.00
2010-09-20	11:52:03	200.9	0.00
2010-09-20	11:52:33	201.2	0.00
2010-09-20	11:53:03	201.4	0.00
2010-09-20	11:53:33	202.4	0.00
2010-09-20	11:54:03	200.6	0.00
2010-09-20	11:54:33	200.5	0.00
2010-09-20	11:55:03	206.5	0.00

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	Organization	Personnel	Date
Approved by	ANNA Eng	W. M. Z.	10. 9. 20
Witnessed by	KOMERZ	H. M. Z.	10. 9. 20

Date	Time	Main Flow TRO3_read	TRO3_Target
2010-09-20	11:55:33	205.8	0.00
2010-09-20	11:56:03	205.4	0.00
2010-09-20	11:56:33	203.9	0.00
2010-09-20	11:57:03	204.4	0.00
2010-09-20	11:57:33	203.1	0.00
2010-09-20	11:58:03	204.1	0.00
2010-09-20	11:58:33	203.6	0.00
2010-09-20	11:59:03	203.8	0.00
2010-09-20	11:59:33	203.7	0.00
2010-09-20	12:00:03	203.4	0.00
2010-09-20	12:00:33	203.3	0.00
2010-09-20	12:01:03	203.1	0.00
2010-09-20	12:01:33	202.5	0.00
2010-09-20	12:02:03	202.2	0.00
2010-09-20	12:02:33	202.1	0.00
2010-09-20	12:03:03	201.2	0.00
2010-09-20	12:03:33	201.1	0.00
2010-09-20	12:04:03	201.7	0.00
2010-09-20	12:04:33	200.9	0.00
2010-09-20	12:05:03	200.4	0.00
2010-09-20	12:05:33	201.5	0.00
2010-09-20	12:06:03	199.8	0.00
2010-09-20	12:06:33	200.9	0.00
2010-09-20	12:07:03	200.3	0.00
2010-09-20	12:07:33	198.9	0.00
2010-09-20	12:08:03	199.7	0.00
2010-09-20	12:08:33	198.7	0.00
2010-09-20	12:09:03	198.5	0.00
2010-09-20	12:09:33	198.8	0.00
2010-09-20	12:10:03	201.5	0.00
2010-09-20	12:10:33	202.8	0.00
2010-09-20	12:11:03	202.7	0.00
2010-09-20	12:11:33	203.1	0.00
2010-09-20	12:12:03	202.5	0.00
2010-09-20	12:12:33	201.8	0.00
2010-09-20	12:13:03	201.6	0.00
2010-09-20	12:13:33	201.2	0.00

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	Organization	Personnel	Date
Approved by	A. W. Eng	10.9.20	
Witnessed by	KOMERZ	W. K. M. O. Z.	10. 9. 20

Date	Time	Main Flow TRO3_read	TRO3_Target	(4/4)
2010-09-20	12:14:03	202.1	0.00	0.10
2010-09-20	12:14:33	201.3	0.00	0.10
2010-09-20	12:15:03	200.8	0.00	0.10
2010-09-20	12:15:33	200.6	0.00	0.10
2010-09-20	12:16:03	200.4	0.00	0.10
2010-09-20	12:16:33	196.3	0.00	0.10
2010-09-20	12:17:03	39.3	0.00	0.10

	Organization	Personnel	Date
Approved by	AQUA Eng	김도원	10. 9. 20
Witnessed by	KOMERZ	박민재	10. 9. 20

100929 "AquaStar" Electrolysis 10th-ballasting

(1/6)

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-29	11:34:09	19.4	0.00	0.00	0.00	3	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0	10.00	
2010-09-29	11:34:38	140.8	0.00	0.00	0.00	393		15.3	20.1	3.8	3.6	3.6	3.5	3.5	10.00	
2010-09-29	11:35:08	199.7	0.00	0.00	0.00	713		19.8	20.2	5.0	4.7	4.6	4.7	4.7	10.00	
2010-09-29	11:35:38	200.7	0.00	0.00	0.00	704		19.7	20.2	4.9	4.7	4.6	4.7	4.7	10.00	
2010-09-29	11:36:08	200.3	0.00	0.00	0.00	703		19.8	20.3	4.9	4.7	4.6	4.7	4.7	10.00	
2010-09-29	11:36:38	200.6	0.00	0.00	0.00	704		19.8	20.4	4.9	4.7	4.7	4.7	4.7	10.00	
2010-09-29	11:37:08	199.7	0.00	0.00	0.00	702		19.8	20.5	4.9	4.7	4.7	4.7	4.7	10.00	
2010-09-29	11:37:38	205.9	0.00	0.00	0.00	718		20.1	20.6	5.0	4.8	4.7	4.8	4.8	10.00	
2010-09-29	11:38:08	206.2	0.00	0.00	9.57	721		20.1	20.7	5.0	4.8	4.7	4.8	4.8	10.00	
2010-09-29	11:38:38	205.8	0.00	0.00	9.57	719		20.1	20.9	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:39:08	205.9	0.00	0.00	9.57	719		20.2	21.1	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:39:38	205.8	0.00	0.00	9.57	719		20.2	21.3	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:40:08	204.7	0.00	0.00	9.91	717		20.2	21.5	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:40:38	204.5	0.00	0.00	9.90	716		20.2	21.7	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:41:08	204.3	0.00	0.00	9.91	716		20.2	21.9	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:41:38	204.6	0.00	0.00	9.90	715		20.2	22.1	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:42:08	203.6	0.00	0.00	10.05	715		20.3	22.4	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:42:38	204.5	0.00	0.00	10.05	715		20.3	22.7	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:43:08	204.1	0.00	0.00	10.05	715		20.3	22.9	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:43:38	204.4	0.00	0.00	10.05	715		20.3	23.1	5.0	4.9	4.8	4.8	4.8	10.00	
2010-09-29	11:44:08	202.8	0.00	0.00	9.81	713		20.3	23.4	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:44:38	202.8	0.00	0.00	9.81	711		20.3	23.6	5.0	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:45:08	203.1	0.00	0.00	9.81	712		20.3	23.9	5.0	4.8	4.8	4.8	4.8	10.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	13780	10.09.29
Witnessed by	KOMERZ	06449	2010.09.29

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-29	11:45:38	202.8	0.00	0.00	9.80	712	20.3	24.2	5.0	4.8	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:46:08	202.6	0.00	0.00	10.00	709	20.3	24.4	5.0	4.8	4.8	4.8	4.8	4.8	10.00	
2010-09-29	11:46:38	202.7	0.00	0.00	10.00	712	20.4	24.7	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:47:08	202.3	0.00	0.00	10.00	710	20.4	25.0	5.0	4.8	4.8	4.8	4.9	4.9	10.00	
2010-09-29	11:47:38	201.7	0.00	0.00	9.99	708	20.4	25.2	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:48:08	202.3	0.00	0.00	9.99	710	20.4	25.4	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:48:38	200.8	0.00	0.00	9.99	705	20.3	25.7	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:49:08	202.0	0.00	0.00	9.99	709	20.4	25.9	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:49:38	205.2	0.00	0.00	9.98	717	20.5	26.1	5.0	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:50:08	204.8	0.00	0.00	9.99	718	20.5	26.3	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:50:38	204.2	0.00	0.00	10.05	718	20.5	26.6	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:51:08	204.6	0.00	0.00	10.05	717	20.5	26.8	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:51:38	204.4	0.00	0.00	10.05	717	20.5	27.0	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:52:08	204.1	0.00	0.00	10.05	718	20.6	27.1	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:52:38	204.0	0.00	0.00	9.62	716	20.5	27.4	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:53:08	203.8	0.00	0.00	9.62	715	20.5	27.6	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:53:38	203.9	0.00	0.00	9.62	716	20.5	27.7	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:54:08	203.8	0.00	0.00	9.62	715	20.5	27.9	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:54:38	202.9	0.00	0.00	10.26	712	20.5	28.0	5.0	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:55:08	203.2	0.00	0.00	10.26	713	20.5	28.2	5.1	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	11:55:38	203.1	0.00	0.00	10.26	700	20.3	28.3	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:56:08	203.3	0.00	0.00	10.26	702	20.4	28.6	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:56:38	203.2	0.00	0.00	10.05	702	20.4	28.8	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	11:57:08	202.4	0.00	0.00	10.05	701	20.4	28.9	5.0	4.8	4.8	4.9	4.9	4.9	10.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	3/5/10	10.9.29
Witnessed by	KOMERC	ObCzoz	2010.09.29

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-29	11:57:38	202.9	0.00	0.00	10.05	700	20.4	29.0	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	11:58:08	202.8	0.00	0.00	10.05	700	20.3	29.2	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	11:58:38	201.6	0.00	0.00	9.49	697	20.3	29.4	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	11:59:08	204.6	0.00	0.00	9.49	707	20.4	29.5	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	11:59:38	205.0	0.00	0.00	9.49	709	20.5	29.7	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:00:08	205.7	0.00	0.00	9.49	710	20.5	29.8	5.0	4.9	4.9	4.9	4.9	10.00		
2010-09-29	12:00:38	205.0	0.00	0.00	9.49	708	20.5	29.9	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:01:08	204.3	0.00	0.00	10.25	706	20.4	30.1	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:01:38	204.4	0.00	0.00	10.25	706	20.5	30.2	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:02:08	204.6	0.00	0.00	10.25	708	20.5	30.3	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:02:38	204.0	0.00	0.00	10.25	705	20.5	30.4	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:03:08	204.8	0.00	0.00	10.24	707	20.5	30.5	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:03:38	204.3	0.00	0.00	10.24	705	20.5	30.7	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:04:08	204.1	0.00	0.00	10.24	705	20.4	30.7	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:04:38	204.3	0.00	0.00	10.24	705	20.5	30.9	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:05:08	204.2	0.00	0.00	9.38	706	20.5	31.0	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:05:38	205.0	0.00	0.00	9.38	709	20.5	31.1	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:06:08	203.8	0.00	0.00	9.38	704	20.4	31.1	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:06:38	203.3	0.00	0.00	9.38	702	20.4	31.2	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:07:08	203.2	0.00	0.00	10.19	701	20.4	31.3	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:07:38	203.6	0.00	0.00	10.19	704	20.4	31.4	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:08:08	204.0	0.00	0.00	10.19	705	20.5	31.4	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:08:38	203.9	0.00	0.00	10.19	705	20.5	31.6	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:09:08	203.2	0.00	0.00	9.72	702	20.4	31.6	5.0	4.9	4.8	4.9	4.9	10.00		

	Organization	Personnel	Date
Approved by	AQUA Eng	13/09/10	10. 9. 10
Witnessed by	KOMERZ	06/10/10	2010.09.29

Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-29	12:09:38	203.4	0.00	0.00	9.72	704	20.5	31.7	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:10:08	203.0	0.00	0.00	9.72	702	20.4	31.8	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:10:38	202.3	0.00	0.00	9.72	700	20.4	31.9	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:11:08	202.8	0.00	0.00	9.72	701	20.4	32.0	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:11:38	202.5	0.00	0.00	9.72	701	20.4	32.0	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:12:08	203.0	0.00	0.00	9.72	702	20.4	32.1	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:12:38	202.5	0.00	0.00	9.72	701	20.4	32.2	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:13:08	202.4	0.00	0.00	9.72	700	20.4	32.3	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:13:38	201.8	0.00	0.00	10.09	700	20.4	32.3	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:14:08	201.9	0.00	0.00	10.09	700	20.4	32.4	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:14:38	202.0	0.00	0.00	10.09	700	20.4	32.4	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:15:08	201.1	0.00	0.00	10.09	697	20.4	32.5	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:15:38	201.1	0.00	0.00	10.01	698	20.4	32.5	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:16:08	200.9	0.00	0.00	10.01	697	20.4	32.6	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:16:38	201.4	0.00	0.00	10.01	699	20.4	32.7	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:17:08	201.1	0.00	0.00	10.01	696	20.4	32.7	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:17:38	202.1	0.00	0.00	10.10	700	20.4	32.8	5.0	4.9	4.8	4.9	4.9	10.00		
2010-09-29	12:18:08	203.2	0.00	0.00	10.10	706	20.5	32.9	5.0	4.9	4.9	4.9	4.9	10.00		
2010-09-29	12:18:38	203.2	0.00	0.00	10.10	706	20.5	33.0	5.0	4.9	4.9	4.9	4.9	10.00		
2010-09-29	12:19:08	202.6	0.00	0.00	10.10	705	20.5	33.1	5.0	4.9	4.9	4.9	4.9	10.00		
2010-09-29	12:19:38	203.4	0.00	0.00	10.14	705	20.5	33.1	5.0	4.9	4.9	4.9	4.9	10.00		
2010-09-29	12:20:08	202.8	0.00	0.00	10.14	704	20.5	33.2	5.0	4.9	4.9	4.9	4.9	10.00		
2010-09-29	12:20:38	202.8	0.00	0.00	10.14	704	20.5	33.2	5.0	4.9	4.8	4.9	4.9	10.00		

	Organization	Personnel	Date
Approved by	AQUA Eng	11.10.2010	10.9.2010
Witnessed by	KOMERZ	OBEG	2010.09.29

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-29	12:21:08	203.3	0.00	0.00	10.14	705	20.5	33.3	5.0	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	12:21:38	202.9	0.00	0.00	10.17	705	20.5	33.4	5.0	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	12:22:08	202.8	0.00	0.00	10.17	704	20.5	33.5	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:22:38	202.7	0.00	0.00	10.17	703	20.5	33.5	5.0	4.9	4.9	4.9	4.9	4.9	10.00	
2010-09-29	12:23:08	202.5	0.00	0.00	10.17	702	20.5	33.7	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:23:38	201.4	0.00	0.00	10.17	700	20.4	33.7	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:24:08	201.8	0.00	0.00	10.16	700	20.4	33.8	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:24:38	201.8	0.00	0.00	10.16	698	20.4	33.8	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:25:08	201.7	0.00	0.00	10.16	700	20.4	33.8	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:25:38	200.6	0.00	0.00	10.16	694	20.4	33.9	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:26:08	201.2	0.00	0.00	10.17	697	20.4	33.9	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:26:38	200.6	0.00	0.00	10.17	696	20.4	33.9	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:27:08	200.6	0.00	0.00	10.17	696	20.4	34.0	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:27:38	201.1	0.00	0.00	10.17	695	20.4	34.0	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:28:08	200.8	0.00	0.00	9.80	696	20.4	34.0	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:28:38	200.9	0.00	0.00	9.80	695	20.4	34.1	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:29:08	201.9	0.00	0.00	9.80	699	20.4	34.1	5.0	4.9	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:29:38	201.0	0.00	0.00	9.80	695	20.4	34.2	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:30:08	201.8	0.00	0.00	10.21	696	20.4	34.2	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:30:38	200.4	0.00	0.00	10.21	692	20.4	34.2	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:31:08	201.7	0.00	0.00	10.21	694	20.4	34.2	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:31:38	201.7	0.00	0.00	10.21	695	20.4	34.3	5.0	4.8	4.8	4.9	4.9	4.9	10.00	
2010-09-29	12:32:08	201.0	0.00	0.00	10.30	694	20.4	34.4	5.0	4.8	4.8	4.9	4.9	4.9	10.00	

	Organization	Personnel	Date
Approved by	AQUA Eng	7/5/09	10. 9. 29
Witnessed by	KOMERZ	08/09/09	2010. 09. 29

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Date	Time	Main Flow	Chlorine	Hydrogen	TRO1_read	Pow.	Amp	Pow.	Volt	Pow.	Temp	EL1-Volt	EL2-Volt	EL3-Volt	EL4-Volt	TRO1-Target
2010-09-29	12:32:38	201.0	0.00	0.00	10.30	695	20.4	34.3	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:33:08	201.2	0.00	0.00	10.30	694	20.4	34.4	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:33:38	201.0	0.00	0.00	10.30	691	20.4	34.5	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:34:08	200.2	0.00	0.00	10.55	690	20.3	34.5	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:34:38	200.7	0.00	0.00	10.55	693	20.4	34.6	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:35:08	200.6	0.00	0.00	10.55	692	20.4	34.7	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:35:38	200.5	0.00	0.00	10.55	690	20.3	34.7	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:36:08	199.9	0.00	0.00	10.55	689	20.3	34.8	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:36:38	199.9	0.00	0.00	10.21	687	20.3	34.8	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:37:08	200.1	0.00	0.00	10.21	686	20.3	34.9	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:37:38	199.3	0.00	0.00	10.21	684	20.3	35.0	5.0	4.8	4.8	4.8	4.8	10.00		
2010-09-29	12:38:08	200.1	0.00	0.00	10.21	685	20.3	34.9	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:38:38	199.9	0.00	0.00	10.32	686	20.3	34.9	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:39:08	199.4	0.00	0.00	10.32	686	20.3	34.9	5.0	4.8	4.8	4.9	4.9	10.00		
2010-09-29	12:39:38	199.5	0.00	0.00	10.32	682	20.2	35.0	5.0	4.8	4.8	4.8	4.8	10.00		
2010-09-29	12:40:08	198.9	0.00	0.00	10.32	680	20.2	35.0	5.0	4.8	4.8	4.8	4.8	10.00		
2010-09-29	12:40:38	193.8	0.00	0.00	10.31	681	20.3	35.0	5.0	4.8	4.8	4.8	4.8	10.00		

	Organization	Personnel	Date
Approved by	AQUA Eng	13802	10.9.29
Witnessed by	KOMERZ	OBF02	2010.09.29

101004 "AquaStar" Neutralization 10th-deballasting

Date	Time	Main Flow	TRO3_read	TRO3_Target	(1/4)
2010-10-04	13:06:19	41.6	4.06	0.10	
2010-10-04	13:06:48	63.6	4.12	0.10	
2010-10-04	13:07:18	159.4	4.12	0.10	
2010-10-04	13:07:48	177.9	4.12	0.10	
2010-10-04	13:08:18	199.2	1.11	0.10	
2010-10-04	13:08:48	193.4	1.11	0.10	
2010-10-04	13:09:18	165.5	1.11	0.10	
2010-10-04	13:09:48	175.9	1.11	0.10	
2010-10-04	13:10:18	183.0	0.24	0.10	
2010-10-04	13:10:48	194.4	0.24	0.10	
2010-10-04	13:11:18	189.9	0.24	0.10	
2010-10-04	13:11:48	189.8	0.23	0.10	
2010-10-04	13:12:18	185.7	0.00	0.10	
2010-10-04	13:12:48	189.4	0.00	0.10	
2010-10-04	13:13:18	189.3	0.00	0.10	
2010-10-04	13:13:48	198.8	0.00	0.10	
2010-10-04	13:14:18	197.7	0.00	0.10	
2010-10-04	13:14:48	197.3	0.00	0.10	
2010-10-04	13:15:18	198.1	0.00	0.10	
2010-10-04	13:15:48	195.5	0.00	0.10	
2010-10-04	13:16:18	198.1	0.00	0.10	
2010-10-04	13:16:48	198.6	0.00	0.10	
2010-10-04	13:17:18	198.7	0.00	0.10	
2010-10-04	13:17:48	199.0	0.00	0.10	
2010-10-04	13:18:18	200.9	0.00	0.10	
2010-10-04	13:18:48	200.7	0.00	0.10	
2010-10-04	13:19:18	201.3	0.00	0.10	
2010-10-04	13:19:48	200.4	0.00	0.10	
2010-10-04	13:20:18	200.8	0.00	0.10	
2010-10-04	13:20:48	200.5	0.00	0.10	
2010-10-04	13:21:18	200.8	0.00	0.10	
2010-10-04	13:21:48	195.9	0.00	0.10	
2010-10-04	13:22:18	217.7	0.00	0.10	
2010-10-04	13:22:48	216.1	0.00	0.10	
2010-10-04	13:23:18	210.4	0.00	0.10	
2010-10-04	13:23:48	197.7	0.00	0.10	

	Organization	Personnel	Date
Approved by	John Eng	김정호	2010.10.04
Witnessed by	KOMERZ	06592	2010.10.04

Date	Time	Main Flow	TRO3_read	TRO3_Target	(2/4)
2010-10-04	13:24:18	197.5	0.00	0.10	
2010-10-04	13:24:48	196.5	0.00	0.10	
2010-10-04	13:25:18	197.4	0.00	0.10	
2010-10-04	13:25:48	196.6	0.00	0.10	
2010-10-04	13:26:18	196.4	0.00	0.10	
2010-10-04	13:26:48	196.6	0.00	0.10	
2010-10-04	13:27:18	196.1	0.00	0.10	
2010-10-04	13:27:48	195.4	0.00	0.10	
2010-10-04	13:28:18	195.9	0.00	0.10	
2010-10-04	13:28:48	195.0	0.00	0.10	
2010-10-04	13:29:18	195.3	0.00	0.10	
2010-10-04	13:29:48	195.4	0.00	0.10	
2010-10-04	13:30:18	194.3	0.00	0.10	
2010-10-04	13:30:48	194.6	0.00	0.10	
2010-10-04	13:31:18	194.9	0.00	0.10	
2010-10-04	13:31:48	194.8	0.00	0.10	
2010-10-04	13:32:18	194.1	0.00	0.10	
2010-10-04	13:32:48	194.5	0.00	0.10	
2010-10-04	13:33:18	192.6	0.00	0.10	
2010-10-04	13:33:48	192.8	0.00	0.10	
2010-10-04	13:34:18	192.6	0.00	0.10	
2010-10-04	13:34:48	210.4	0.00	0.10	
2010-10-04	13:35:18	211.1	0.00	0.10	
2010-10-04	13:35:48	204.7	0.00	0.10	
2010-10-04	13:36:18	204.6	0.00	0.10	
2010-10-04	13:36:48	204.0	0.00	0.10	
2010-10-04	13:37:18	204.6	0.00	0.10	
2010-10-04	13:37:48	203.2	0.00	0.10	
2010-10-04	13:38:18	203.3	0.00	0.10	
2010-10-04	13:38:48	204.0	0.00	0.10	
2010-10-04	13:39:18	203.4	0.00	0.10	
2010-10-04	13:39:48	204.3	0.00	0.10	
2010-10-04	13:40:18	202.8	0.00	0.10	
2010-10-04	13:40:48	202.5	0.00	0.10	
2010-10-04	13:41:18	202.9	0.00	0.10	
2010-10-04	13:41:48	202.4	0.00	0.10	
2010-10-04	13:42:18	202.9	0.00	0.10	

	Organization	Personnel	Date
Approved by	ANUA Eng	1/38%	10.10.04
Witnessed by	KOMERZ	OL-402	2010.10.04

Date	Time	Main Flow	TRO3_read	TRO3_Target	(3/4)
2010-10-04	13:42:48	202.2	0.00	0.10	
2010-10-04	13:43:18	202.0	0.00	0.10	
2010-10-04	13:43:48	201.7	0.00	0.10	
2010-10-04	13:44:18	201.2	0.00	0.10	
2010-10-04	13:44:48	201.3	0.00	0.10	
2010-10-04	13:45:18	201.0	0.00	0.10	
2010-10-04	13:45:48	199.7	0.00	0.10	
2010-10-04	13:46:18	201.4	0.00	0.10	
2010-10-04	13:46:48	200.3	0.00	0.10	
2010-10-04	13:47:18	200.4	0.00	0.10	
2010-10-04	13:47:48	199.2	0.00	0.10	
2010-10-04	13:48:18	199.4	0.00	0.10	
2010-10-04	13:48:48	199.2	0.00	0.10	
2010-10-04	13:49:18	199.3	0.00	0.10	
2010-10-04	13:49:48	198.7	0.00	0.10	
2010-10-04	13:50:18	198.9	0.00	0.10	
2010-10-04	13:50:48	198.6	0.00	0.10	
2010-10-04	13:51:18	199.5	0.00	0.10	
2010-10-04	13:51:48	197.0	0.00	0.10	
2010-10-04	13:52:18	198.2	0.00	0.10	
2010-10-04	13:52:48	198.2	0.00	0.10	
2010-10-04	13:53:18	197.0	0.00	0.10	
2010-10-04	13:53:48	197.0	0.00	0.10	
2010-10-04	13:54:18	196.5	0.00	0.10	
2010-10-04	13:54:48	196.5	0.00	0.10	
2010-10-04	13:55:18	197.0	0.00	0.10	
2010-10-04	13:55:48	195.9	0.00	0.10	
2010-10-04	13:56:18	195.4	0.00	0.10	
2010-10-04	13:56:48	195.5	0.00	0.10	
2010-10-04	13:57:18	195.2	0.00	0.10	
2010-10-04	13:57:48	194.4	0.00	0.10	
2010-10-04	13:58:18	194.4	0.00	0.10	
2010-10-04	13:58:48	204.0	0.00	0.10	
2010-10-04	13:59:18	203.7	0.00	0.10	
2010-10-04	13:59:48	203.9	0.00	0.10	
2010-10-04	14:00:18	203.9	0.00	0.10	
2010-10-04	14:00:48	202.6	0.00	0.10	

	Organization	Personnel	Date
Approved by	AQUA Eng	3769	10.10.04
Witnessed by	KOMERZ	0672	2010.10.04

Date	Time	Main Flow	TRO3_read	TRO3_Target	(4/4)
2010-10-04	14:01:18	202.7	0.00	0.10	
2010-10-04	14:01:48	202.3	0.00	0.10	
2010-10-04	14:02:18	202.2	0.00	0.10	
2010-10-04	14:02:48	201.9	0.00	0.10	
2010-10-04	14:03:18	202.3	0.00	0.10	
2010-10-04	14:03:48	201.5	0.00	0.10	
2010-10-04	14:04:18	201.4	0.00	0.10	
2010-10-04	14:04:48	200.8	0.00	0.10	
2010-10-04	14:05:18	200.8	0.00	0.10	
2010-10-04	14:05:48	200.2	0.00	0.10	
2010-10-04	14:06:18	200.4	0.00	0.10	
2010-10-04	14:06:48	199.6	0.00	0.10	
2010-10-04	14:07:18	39.5	0.00	0.10	

	Organization	Personnel	Date
Approved by	AQA Eng	13.10.04	10.10.04
Witnessed by	KOMERZ	06.10.04	2010.10.04